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Course in: ARCHITECTURE AND DESIGN

Curriculum: ARCHITECTURE (CODE 7039)

Coordinator: Gausa Navarro	Manuel
Department of Architecture and Design (Dipartimento di Architettura e Design – DAD)	
Places : 6 (°) – Grants : 3 (*)	
(*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.	
(°) 2 places for graduates who	have a grant from abroad.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	9.7.2018 - 2.30 p.m. at the Department of Architecture and Design (Dipartimento di
	Architettura e Design – DAD), Stradone S. Agostino 37, Genova.
Interview	10.7.2018 - 2.30 p.m at the Department of Architecture and Design (Dipartimento di
	Architettura e Design – DAD), Stradone S. Agostino 37, Genova.
Further information on	On the day of the interview, candidates may present a portfolio containing previous
how to present	study/research experiences. All candidates are required to present a a proposal for a research
qualifications/pubblications	project (maximum 10,000 strokes, 4 pages). The project will be evaluated by the Commission
	together with the qualifications/publications and will be discussed during the interview.
Exam Syllabus	- A paper on one of the research themes put forward by the examining Commission.
	- An interview based on the outcome of the written test and on the candidate's research
	themes of interest.
	- Reading and translation of an English text.
Research Themes	The likely research themes, which are partially the object of comparative assessment, are
	those linked to the teaching objectives of the Doctoral Course, according to the 4 main lines of
	research of the course:
	- urban and territorial policies;
	- theory of the project;
	- strategies and technologies for sustainability and the systemic project;
	- visual languages and communication.
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be
	taken into consideration for the final score.
Foreign Languages	English
Further Information	Dott.ssa Michela Mazzucchelli
	(+39) 0102095810
	dottoratodad@arch.unige.it
	http://www.addgenova.org/DSA/it

Course in: ARCHITECTURE AND DESIGN

Curriculum: DESIGN (CODE 7040)

Coordinator: Gausa Navarro	Manuel
Department of Architecture an	nd Design (Dipartimento di Architettura e Design – DAD)
Places: 5 (°) – Grants: 3 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
(*) di cui 1 borsa su fondi MI	UR/DAD, the annual gross amount of the grant, including social security expenses to be paid
by the recipient, is $\in 15.343,28$.	
(°) 1 place for graduates who have a grant from abroad.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	9.7.2018 - 2.30 p.m. at the Department of Architecture and Design (Dipartimento di
	Architettura e Design – DAD), Stradone S. Agostino 37, Genova
Interview	10.7.2018 - 2.30 p.m. at the Department of Architecture and Design (Dipartimento di
	Architettura e Design – DAD), Stradone S. Agostino 37, Genova
Further information on	On the day of the interview, candidates may present a portfolio containing previous
how to present	study/research experiences. All candidates are required to present a a proposal for a research
qualifications/pubblications	project (maximum 10,000 strokes, 4 pages). The project will be evaluated by the Commission
	together with the qualifications/publications and will be discussed during the interview.
Exam Syllabus	- A paper on one of the research themes put forward by the examining Commission.
	- An interview based on the outcome of the written test and on the candidate's research
	themes of interest.
	- Reading and translation of an English text.
Research Themes	The likely research themes, which are partially the object of comparative assessment, are
	those linked to the teaching objectives of the Doctoral Course, according to the 4 main lines
	of research of the course:
	- urban and territorial policies;
	- theory of the project;
	- strategies and technologies for sustainability and the systemic project;
Information on noferror cos	- Visual languages and communication.
information on references	taken into consideration for the final score.
Foreign Longuages	English
Foreign Languages	English
Further Information	Dott.ssa Michela Mazzucchelli
	(+39) 0102095810
	dottoratodad@arch.unige.it
	http://www.addgenova.org/DSA/it/

Course in: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: ADVANCED AND HUMANOID ROBOTICS (CODE 7043)

Coordinator: Cannata Giorgi	0	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica		
e ingegneria dei sistemi – DIBRIS)		
Places : 15 – Grants : 15 (*)		
(*) 15 grants from the Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant,		
including social security expe	nses to be paid by the recipient, is \notin 16.500,00.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Candidates must submit an exhaustive list of all the exams done during their Bachelor's and	
how to present	Master's degree and/or equivalents (BS, Master) specifying the averages of marks or an	
qualifications/pubblications	equivalent indicator.	
Research Themes	- Control of humanoid robots.	
	- Legged robots.	
	- Robot design for manipulation.	
	- Perception and learning.	
	- Teleoperation.	
	- Exoscheleton.	
	- Robot actuators.	
	- Multimodal perception.	
	- Robot assisted microsurgery.	
	- Assistive robots.	
	- Industrial robotics for inspection and maintenance.	
	Specific themes will be presented in an attachment available at the following links:	
	http://phd.dibris.unige.it/biorob/index.php/how-to-apply	
	https://www.iit.it/phd-school	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course at the following address: <u>phd.biorob@dibris.unige.it.</u>	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
E	Ear information on the research themes relevant to the Advanced and Humanoid Debatics	
Further Information	For mormation on the research themes relevant to the Advanced and Humanold Robotics	
	Dott Ferdinando Cannolla	
	ferdinando cannella@iit it	
	(Advanced Robotics)	
	(Auvalieu Robolies)	
	Dott Lorenzo Natale	
	lorenzo natale@iit it	
	(Humanoid Robotics)	

Course in: BIOENGINEERING AND ROBOTICS In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: BIOENGINEERING AND BIOELECTRONICS (CODE 7041)

Coordinator: Cannata Giorgi	Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica		
e ingegneria dei sistemi – DIE	BRIS)	
Places : 6 – Grants : 5 (*)		
(*) 4 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 16.500,00.		
(*) I grant from the Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including		
social security expenses to be paid by the recipient, is € 16.500,00.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Candidates must submit an exhaustive list of all the exams done during their Bachelor's and	
how to present	Master's degree and/or equivalents (BS, Master) specifying the averages of marks or an	
qualifications/pubblications	equivalent indicator.	
Research Themes	- Biomedical imaging, Bioinformatics and medical information systems.	
	- Bioelectronics, biomedical devices and bio-sensors.	
	- Molecular, cellular and tissue engineering.	
	- Neuroengineering and neurotechnology.	
	- Micro and nano-systems in medicine and biology.	
	Specific themes will be presented in an attachment available at the following links:	
	http://phd.dibris.unige.it/biorob/index.php/how-to-apply	
	https://www.iit.it/phd-school	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	For information on the research themes relevant to the Bioengineering and Bioelectronics	
	curriculum please contact:	
	Prof. Sergio Martinoia	
	sergio.martinoia(a)unige.it	

Course in: BIOENGINEERING AND ROBOTICS In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: BIONANOTECHNOLOGY (CODE 7042)

Coordinator: Cannata Giorgi	0
Department of IT, Bioenginee	ring, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica
e ingegneria dei sistemi – DIBRIS)	
Places: 4 – Grants: 4 (*)	
(*) 4 grants from the Foundat	ion of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including
social security expenses to be	paid by the recipient, is € 16.500,00.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS
procedure	
Further information on	Candidates must submit an exhaustive list of all the exams done during their Bachelor's and
how to present	Master's degree and/or equivalents (BS, Master) specifying the averages of marks or an
qualifications/pubblications	equivalent indicator.
Research Themes	- Cells-to-chip and chip-to-cells technologies.
	- Nanobiosensors.
	- Nanodiagnostics.
	- Advanced characterization tools and imaging.
	- Intelligent drug delivery.
	- Artificial tissues.
	- Smart materials.
	Specific themes will be presented in an attachment available at the following links:
	http://phd dibris unige it/biorob/index php/bow to apply
	https://www.jit.it/phd-school
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
	For information on the manual themes and the distribution is the second distribution of the distribution of the
Further Information	For information on the research themes relevant to the Bionanotechnologies curriculum
	prease contact:
	Dott Francesco De Angelis
	francesco deangelis@iit it
	francesco.deangelis(a)iit.it

Course in: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: COGNITIVE ROBOTICS, INTERACTION AND REHABILITATION TECHNOLOGIES (CODE 7044)

Coordinator: Cannata Giorgi	0
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica	
e ingegneria dei sistemi – DIBRIS)	
Places: 7 – Grants: 7 (*)	
(*) 7 grants from the Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including	
social security expenses to be	paid by the recipient, is € 16.500,00.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS
procedure	
Further information on	Candidates must submit an exhaustive list of all the exams done during their Bachelor's and
how to present	Master's degree and/or equivalents (BS, Master) specifying the averages of marks or an
qualifications/pubblications	equivalent indicator.
Research Themes	- The study of human sensorimotor and cognitive abilities with a focus on action execution
	and understanding.
	- The implementation of sensorimotor and cognitive abilities in the humanoid robot iCub
	with a focus on human–robot cooperation and symbiosis.
	- The exploitation of assistive technologies to alleviate sensory disabilities and the
	implementation of robotic rehabilitation devices with a special attention on user
	requirements and strict clinical assessment.
	- To investigate how integration between sensory and motor signals develops during
	childhood and identify solutions (technologies and rehabilitation procedures).
	- To enhance the sensorimotor abilities necessary to orient and move in space, to
	communicate, to access everyday information and, therefore, to interact in social
	Contexis. With the use of human contered techniques the testing and validating of the devices.
	- with the use of numan-centered techniques the testing and validating of the devices (friendly and argenemic) developed telying association and aligned contexts into account
	To understand how humans socially attune to others, what are the conditions of social
	- 10 understand now numaris sociarly attune to others, what are the conditions of social attunement with artificial agents and what types of cognitive mechanisms of the brain are
	activated during various types of social interactions with natural and artificial agents
	- To provide guidelines to roboticists regarding parameters of robot behaviour that
	facilitate social attunement on the part of the human counterpart
	- To contribute to development of robot-assisted therapies for healthcare and the care of
	the elderly giving advice on the design of socially-attuned humanoid robots
	Specific themes will be presented in an attachment available at the following links:
	http://phd.dibris.unige.it/biorob/index.php/how-to-apply
	https://www.iit.it/phd-school
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: <u>phd.biorob@dibris.unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	For information on the research themes relevant to the Cognitive Debatics. Interaction and
ruither information	Rehabilitation Technologies curriculum please contact
	renaomation reemologies currentum please contact.
	Prof. Giulio Sandini
	giulio sandini@iit it
	Suno.sunumgant.n

Course in: BIOENGINEERING AND ROBOTICS In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: ROBOTICS AND AUTONOMOUS SYSTEMS (CODE 7045)

Coordinator: Cannata Giorgi	0	
Polytechnic Section of the	Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di	
Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)		
Places : 4 – Grants : 3 (*)		
(*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 16.500,00.		
(*) 1 grant from DIBRIS fund	ds, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 16.500,00.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Candidates must submit an exhaustive list of all the exams done during their Bachelor's and	
how to present	Master's degree and/or equivalents (BS, Master) specifying the averages of marks or an	
qualifications/pubblications	equivalent indicator.	
Research Themes	- Advanced robot control.	
	- Robot coordination and cooperation.	
	- Sensing.	
	- State estimation.	
	- Knowledge representation.	
	- Motion planning.	
	- Real-time scheduling.	
	- Design of macro/micro robot systems.	
	- Design of sensors and actuators.	
	- Underwater, dental and space robotics.	
	- wheeled and legged follois.	
	- Manpulation.	
	Specific themes will be presented in an attachment available at the following links:	
	http://phd dibris.unige it/biorob/index.php/bow-to-apply	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	For information on the research themes relevant to the Robotics and Autonomous Systems	
	curriculum please contact:	
	Draf Fulsia Masta sigurani	
	Proi. Fuivio Mastrogiovanni	
	1u1v10.mastrog10vann1(a)un1ge.1t	

Curriculum: BIOIMAGING (CODE 7048)

Coordinator: Quarto Rodolfo)
Department of Experimental N	Medicine (Dipartimento di Medicina Sperimentale – DIMES)
Places : 1 – Grants : 1 (*)	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	2.7.2018 - 2.00 pm at the Advanced Biotechnologies Centre (Centro di Biotecnologie
	Avanzate) in the Didactic Room (Aula Didattica) Tower A (Torre A), 3 rd Floor, Largo R.
	Benzi 10, Genova.
Further information on	All candidates are requested to present a proposal for a research project (2 A4 pages
how to present	maximum, character size 12) together with their qualifications/publications. The project,
qualifications/pubblications	which will be discussed during the interview, will be evaluated by the commission together
	with the qualifications/publications.
Exam Syllabus	The interview will be on the qualifications/publications and research project presented.
Research Themes	- Molecular bioimaging.
	- Biomedical imaging.
	- Computational bioimaging.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These references must be university professors of experts in the subject and it will be their sequences to send references betters, within the deadline of the public retires to the
	be their concern to send reference fetters, within the deadline of the public house, to the
	Coordinator of the Doctoral Course at the following address. <u>rodono.quarto(a)unige.rt.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications
Foreign Languages	English
i oreign Languages	
Further Information	Coordinator
	Prof. Rodolfo Quarto
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558240
	rodolfo.quarto@unige.it
	Contact person for the Curriculum (for information of scientific nature)
	Prof. Gianmario Sambuceti
	Department of Health Sciences
	(+39) 0105552026
	giannano.samoucen(@/unige.it
	Organizing Secretarial Office (for information of technical nature)
	Mr Enrico Zeraschi
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558266
	enrico.zeraschi@unige.it

Curriculum: CELLULAR AND MOLECULAR BIOTECHNOLOGIES (CODE 7046)

Coordinator: Quarto Rodolfo)
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	2.7.2018 – 2.00 pm at the Advanced Biotechnologies Centre (Centro di Biotecnologie
	Avanzate) in the Didactic Room (Aula Didattica) Tower A (Torre A), 3 rd Floor, Largo R.
	Benzi 10, Genova.
Further information on	All candidates are requested to present a proposal for a research project (2 A4 pages
now to present	maximum, character size 12) together with their qualifications/publications. The project,
quanneations/pubblications	which will be discussed during the interview, will be evaluated by the commission together with the qualifications/publications
Exam Syllabus	The interview will be on the qualifications/publications and research project presented
Research Themes	Include view will be on the quantications/publications and research project presented.
Research Themes	- Theraneutic treatments
	- New products for pharmaceutical use
	- Gene therapy
	- Cellular therapy.
	- Immunosuppressive therapies.
	- Anticancer therapies.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: rodolfo.quarto@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Coordinator
	Prof. Rodolfo Quarto
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558240
	rodolfo.quarto@unige.it
	Contact person for the Curriculum (for information of acientific nature)
	Prof Aldo Pagano
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558213
	aldo.nagano@unige.it
	Organizing Secretarial Office (for information of technical nature)
	Mr Enrico Zeraschi
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES) (+39) 0105558266
	enrico.zeraschi@unige.it

Curriculum: TRANSLATIONAL SURGERY (CODE 7050)

Coordinator: Quarto Rodolfo)
Department of Experimental I	Medicine (Dipartimento di Medicina Sperimentale – DIMES)
Places : 1 – Grants : 1 (*)	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	2.7.2018 – 2.00 pm at the Advanced Biotechnologies Centre (Centro di Biotecnologie
	Avanzate) in the Didactic Room (Aula Didattica) Tower A (Torre A), 3 rd Floor, Largo R.
	Benzi 10, Genova.
Further information on	All candidates are requested to present a proposal for a research project (2 A4 pages
now to present	maximum, character size 12) together with their qualifications/publications. The project,
quantications/pubblications	which will be discussed during the interview, will be evaluated by the commission together with the qualifications/publications
Exam Syllabus	The interview will be on the qualifications/publications and research project presented
Research Themes	Experimental diagnostic and therapeutic approaches in general specialist surgery
Research Themes	anaesthesiology and in integrated diagnostic methodologies
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: rodolfo.quarto@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Coordinator
	Prof. Rodolfo Quarto
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558240
	rodolfo.quarto@unige.it
	Contact person for the Curriculum (for information of scientific nature)
	Prof. Marco Frascio
	Dipartimento di Scienze Chirurgiche e Diagnostiche Integrate (DISC)
	(+39) 0103337217
	mmascro(@umgc.tt
	Organizing Secretarial Office (for information of technical nature)
	Mr Enrico Zeraschi
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558266
	enrico.zeraschi@unige.it

Curriculum: REGENERATIVE MEDICINE AND TISSUE ENGINEERING (CODE 7047)

Coordinator: Quarto Rodolfo)
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	2.7.2018 – 2.00 pm at the Advanced Biotechnologies Centre (Centro di Biotecnologie
	Avanzate) in the Didactic Room (Aula Didattica) Tower A (Torre A), 3 rd Floor, Largo R.
	Benzi 10, Genova.
Further information on	All candidates are requested to present a proposal for a research project (2 A4 pages
how to present	maximum, character size 12) together with their qualifications/publications. The project,
qualifications/pubblications	which will be discussed during the interview, will be evaluated by the commission together
	with the qualifications/publications.
Exam Syllabus	The interview will be on the qualifications/publications and research project presented.
Research Themes	- Cellular therapy.
	- Dissue engineering.
	- Development of blocompatible blomaterials, blodegradable and capable of integrating
	Indicutes and cents. Delivery of growth factors, cytokings and other pharmacologically active molecules
	- Immunology and biology of transplants
	- Immunotherany
	- Gene therapy
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: rodolfo.quarto@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Eurthan Information	Coordinator
Further information	Drof Dodolfo Quarto
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558240
	rodolfo guarto@unige it
	Contact person for the Curriculum (for information of scientific nature)
	Prof. Paolo Giannoni
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558436
	paolo.giannoni@unige.it
	Organizing Secretarial Office (for information of technical nature)
	Mr Enrico Zeraschi
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES) (+39) 0105558266
	enrico.zeraschi@unige.it

Curriculum: TRANSLATIONAL AND PRECISION MEDICINE (CODE 7049)

Coordinator: Quarto Rodolfo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2 – Grants : 1 (*)	
(*) 1 grant from MIUR/DIMI	ES, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	2.7.2018 - 2.00 pm at the Advanced Biotechnologies Centre (Centro di Biotecnologie
	Avanzate) in the Didactic Room (Aula Didattica) Tower A (Torre A), 3 rd Floor, Largo R.
	Benzi 10, Genova.
Further information on	All candidates are requested to present a proposal for a research project (2 A4 pages
how to present	maximum, character size 12) together with their qualifications/publications. The project,
qualifications/pubblications	which will be discussed during the interview, will be evaluated by the commission together
	with the qualifications/publications.
Exam Syllabus	The interview will be on the qualifications/publications and research project presented.
Research Themes	- Pathologies linked to ageing in the eye.
	- Chronic degenerative pathologies.
	- Cancer Biology and innovative therapeutic approaches.
	- Biological effects of the secretoma.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: rodolfo.quarto@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Coordinator
Further mormation	Prof. Rodolfo Quarto
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558240
	rodolfo quarto@unige it
	<u>iodono.quarto(dyanigo.n</u>
	Contact person for the Curriculum (for information of scientific nature)
	Prof Lucia Del Mastro
	IRCCS AOU San Martino – IST
	(+39) 0105558908
	lucia.delmastro@hsanmartino.it
	Organizing Secretarial Office (for information of technical nature)
	Mr Enrico Zeraschi
	Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
	(+39) 0105558266
	enrico.zeraschi@unige.it

Curriculum: THE ARTS, PERFORMING ARTS AND MULTIMEDIA TECHNOLOGIES (CODE 7052)

Coordinator: Adorni Giovanni	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants from the University	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	5.7.2018 – 10.00 am at the Library of the Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM) Piazza Santa Sabina 2, Genova
Interview	9.7.2018 – 9.00 am at the Library of the Department of Modern Languages and Cultures
	(Dipartimento di Lingue e culture moderne – DLCM), Piazza Santa Sabina 2, Genova.
	The interview may also take place electronically (by means of the Webminar platform with video to check on identity) on request to the President of the Managing Committee (Presidente del Comitato di Gestione) within 30.6.2018, <u>giovanni.adorni@unige.it</u> and, copy, to <u>migma@unige.it</u> and <u>luisa.zito@unige.it</u> .
Further information on	Besides their qualifications/pubblications, candidates must also attach a research project on
how to present	Digital Humanities based on one of the abovementioned "Research Themes" and coherent
qualifications/pubblications	with the specific objectives of the curriculum. The goal of the research project is to provide
	useful indications to evaluate candidates' aptitude for research and is not binding for any
	future doctoral project.
Exam Syllabus	Written lest: the titles of the written papers will be chosen by the candidate from a series of
	three assigned topics, one for each theme listed in the Research Themes. These themes will be extracted from a set of fifteen titles (five for each thematic typology) prepared by the
	examining Commission. The written test for this curriculum will be done together with the
	written test for the curriculum. Languages Cultures and Digital Technologies
	written test for the curriculum. Languages, curtailes and Digitar Technologies.
	Interview: interviews will be individual and the goal is to highlight the themes that come to
	light from the analysis of the written test and to evaluate candidates' aptitude for research.
Research Themes	1. Critical reflection and applications of digital technologies to the humanities and material
	and immaterial cultural heritage (Design and planning of immersive systems and
	environments, multimedia and networked; Semantic Web; Ontologies; Internet of Things;
	Smart objects and Smart environments; Representation of knowledge; Man-Machine
	interaction; Processing of Natural Language; Technologies and evironments for research
	and dissemination of research).
	2. Critical reflection and applications of digital technologies to languages and cultures
	(Research in the field of linguistics, onomastics and literature; design and development of
	multimedia and online products; Analysis of Corpora).
	3. Critical reflection and applications of digital technologies to design, the arts and
	reality and multimedia environments. Interactive Environments and Virtual Museums:
	Technologies and environments for research and the dissemination of research)
	4 Critical reflection and applications of digital technologies to design the arts and
	performing arts (Research in the field of design, of the arts and performing arts: Design
	and development of multimedia and online products).
	5. Critical reflection on the repercussions of digital technologies on online education and
	on paradigms of use, of experimental didactics and research in specific fields of the
	humanities.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: <u>giovanni.adorni@unige.it</u> , and
	copy to: <u>migma(<i>a</i>)unige.it</u> e <u>luisa.zito(<i>a</i>)unige.it</u> .
	The name, status and service place of the reference chosen by the condidates must be stated in
	their applications
Foreign Languages	Candidates must show their knowledge of at least one foreign language, besides their mother
i oroign Danguages	tongue, chosen from English. French and German. Foreign candidates must show their
L	

	knowledge of Italian.
Further Information	Foreign candidates can carry out their interview electronically (webconferencing system). In order to do so, they must submit a specific request within 30.6.2018 addressed to the
	Coordinator of the Doctoral Course at the following address: <u>giovanni.adorni@unige.it</u> , and copy to: <u>migma@unige.it</u> and <u>luisa.zito@unige.it</u> .
	The contact person in administration for the doctoral course is Mrs Luisa Zito: luisa.zito@unige.it.

Curriculum: LANGUAGES, LITERATURES, FOREIGN CULTURES AND TECHNOLOGIES (CODE 7053)

Coordinator: Adorni Giovan	ni
Department of modern langua	ges and cultures (Dipartimento di Lingue e culture moderne – DLCM)
Places : 2 – Grants : 2 (*)	
(*) 2 grants funded by the Un	iversity of Turin, dall'Università degli Studi di Torino, the annual gross amount of the grant,
including social security expe	inses to be paid by the recipient, is \notin 15.343,28.
At the end of the doctoral cour	rse, a joint qualification will be awarded by both the Universities of Genova and Turin.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	3.7.2018 – 10.00 am at the Palazzo Nuovo, Aula 7 (Room 7), Via Sant'Ottavio 20, Turin.
Interview	9.7.2018 - 10.00 am at the Department of Foreign Languages and Literatures and Modern
	Cultures, Via Verdi 10, Turin.
	The interview may also take place electronically (by means of the Webminar platform with video to check on identity) on request to the President of the Managing Committee (Presidente del Comitato di Gestione) within 30.6.2018, <u>giovanni.adorni@unige.it</u> and, copy, to carla marello@unito.it e luisa zito@unige.it
Further information on	Besides their qualifications/pubblications, candidates must also attach a research project on
how to present	Digital Humanities based on one of the abovementioned "Research Themes" and coherent
qualifications/pubblications	with the specific objectives of the curriculum. The goal of the research project is to provide
1	useful indications to evaluate candidates' aptitude for research and is not binding for any
	future doctoral project.
Exam Syllabus	Written Test: the titles of the written papers will be chosen by the candidate from a series of
	two assigned topics, one for each theme listed in the Research Themes. These themes will be
	extracted from a set of six titles (three for each thematic typology) prepared by the examining
	Commission.
	Interview interviews will be individual and the goal is to highlight the themes that some to
	light from the analysis of the written test and to evaluate candidates' antitude for research
Research Themes	The learning teaching of and training in English in University contexts: innovative
Research Themes	technologies and strategies. Linguistic and cultural Anglicization: contrastive Italian-
	English features.
	2. Critical reflection on the repercussions of information and communication technologies
	on paradigms of use, of experimental didactics and research in specific fields of the
	humanities.
	3. Riflessione critica sulle ricadute delle tecnologie dell'informazione e della
	comunicazione sui paradigmi di fruizione, di sperimentazione didattica e di ricerca in
	specifici ambiti umanistici. Exemplify, discuss, argue.
	4. Contributions to computational linguistics (morphological and synthatactic annotation
	of texts), to opinion mining techniques and sentiment analysis in the context of the
Information on references	Candidates must choose not less than one and not more than three referees to support their
information on references	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: giovanni.adorni@unige.it, e per
	conoscenza agli indirizzi: <u>carla.marello@unito.it</u> e <u>luisa.zito@unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	Candidates must show their knowledge of at least one other foreign language, besides their methor tengue chosen among these of the European University and distance of
	their knowledge of Italian
Further Information	Foreign candidates can carry out their interview electronically (webconferencing system). In
	order to do so they must submit a specific request within 30.6.2018 addressed to the
	Coordinator of the Doctoral Course at the following address: giovanni adorni@unige it and
	copy to: carla.marello@unito.it and luisa.zito@unige.it.
	The contact person in administration for the doctoral course is Mrs Luisa Zito:
	luisa.zito@unige.it.

Curriculum: LANGUAGES, CULTURES AND DIGITAL TECHNOLOGIES (CODE 7051)

Coordinator: Adorni Giovanni		
Department of modern languages and cultures (Dipartimento di Lingue e culture moderne – DLCM)		
Places: 5 (°) – Grants: 3 (*)		
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
(*) 1 grant co-funded by MIU	(*) 1 grant co-funded by MIUR/DLCM, the annual gross amount of the grant, including social security expenses to be paid	
by the recipient, is \in 15.343,2	by the recipient, is € 15.343,28.	
(°) 1 place reserved for grant	holders from abroad.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	5.7.2018 – 10.00 am at the Library of the Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM), Piazza Santa Sabina 2, Genova.	
Interview	9.7.2018 - 9.00 am at the Library of the Department of Modern Languages and Cultures	
	(Dipartimento di Lingue e culture moderne – DLCM), Piazza Santa Sabina 2, Genova.	
	The interview may also take place electronically (by means of the Webminar platform with	
	video to check on identity) on request to the President of the Managing Committee	
	(Presidente del Comitato di Gestione) within 30.6.2018, <u>giovanni.adorni(a/unige.it</u> and, copy,	
Emuthon information on	to ensatoricco(<i>a</i>)unige.it and <u>iuisa.zito(<i>a</i>)unige.it</u> .	
Further information on	Digital Hymanitian based on one of the characterization and a research project of	
now to present	with the specific objectives of the curriculum. The goal of the research project is to provide	
quanneations/pubblications	useful indications to evaluate candidates' antitude for research and is not hinding for any	
	future doctoral project	
Exam Syllabus	Written Test: the titles of the written papers will be chosen by the candidate from a series of	
	three assigned topics, one for each theme listed in the "Research Themes". These themes will	
	be extracted from a set of fifteen titles (five for each thematic typology) prepared by the	
	examining Commission. The written test for this curriculum will be done together with the	
	written test for the curriculum: The Arts, Performing Arts and Multimedia Technologies.	
	Interview: interviews will be individual and the goal is to highlight the themes that come to	
	light from the analysis of the written test and to evaluate candidates' aptitude for research.	
Research Themes	1. Critical reflection and applications of digital technologies to the humanities and material	
	and immaterial cultural heritage (Design and planning of immersive systems and	
	environments, multimedia and networked; Semantic Web; Ontologies; Internet of	
	Things; Smart objects and Smart environments; Representation of knowledge; Man-	
	Machine interaction; Processing of Natural Language; Technologies and evironments for	
	research and dissemination of research).	
	2. Critical reflection and applications of digital technologies to languages and cultures	
	(Research in the field of finguistics, onomastics and filterature; design and development of	
	Critical reflection and applications of digital technologies to design the arts and	
	performing arts (multimedia and online drawing and design of systems and augmented	
	reality and multimedia environments. Interactive Environments and Virtual Museums:	
	Technologies and environments for research and the dissemination of research).	
	4. Critical reflection and applications of digital technologies to design, the arts and	
	performing arts (Research in the field of design, of the arts and performing arts; Design	
	and development of multimedia and online products).	
	5. Critical reflection on the repercussions of digital technologies on online education and on	
	paradigms of use, of experimental didactics and research in specific fields of the	
	humanities.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course at the following address: giovanni.adorni@unige.it, and	
	copy to: <u>elisa.bricco@unige.it</u> and <u>luisa.zito@unige.it</u> .	
	The name states and some in allow that the the states of t	
	The name, status and service place of the referees chosen by the candidates must be stated in	

	their applications.
Foreign Languages	Candidates must show their knowledge of at least one foreign language, besides their mother
	tongue, chosen from English, French and German. Foreign candidates must show their
	knowledge of Italian.
Further Information	Foreign candidates can carry out their interview electronically (webconferencing system). In
	order to do so, they must submit a specific request within 30.6.2018 addressed to the
	Coordinator of the Doctoral Course at the following address: giovanni.adorni@unige.it, and
	copy to: <u>elisa.bricco@unige.it</u> and <u>luisa.zito@unige.it</u> .
	The contact person in administration for the doctoral course is Mrs Luisa Zito:
	luisa.zito@unige.it.

Curriculum: LINGUISTICS, APPLIED LINGUISTICS AND ONOMASTICS (CODE 7054)

Coordinator: Adorni Giovanni	
Department of modern languages and cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by the Unit	versity of Turin, the annual gross amount of the grant, including social security expenses to be
paid by the recipient, is \in 15.	343,28.
At the end of the doctoral cou	rse, a joint qualification will be awarded by both the Universities of Genova and Turin.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	2.7.2018 - 10.00 at the Palazzo Nuovo, Aula 7 (Room 7), Via Sant'Ottavio 20, Turin.
Interview	9.7.2018 - 2.00 pm at the Department of Foreign Languages and Literatures and Modern
	Cultures, Via Verdi 10, Turin.
	The interview may also take place electronically (by means of the Webminar platform with
	video to check on identity) on request to the President of the Managing Committee
	(Presidente del Comitato di Gestione) within 30.6.2018, giovanni.adorni@unige.it and, copy,
	<u>carla.marello@unito.it</u> and <u>luisa.zito@unige.it</u> .
Further information on	Besides their qualifications/pubblications, candidates must also attach a research project on
how to present	Digital Humanities based on one of the abovementioned "Research Themes" and coherent
qualifications/pubblications	with the specific objectives of the curriculum. The goal of the research project is to provide
	useful indications to evaluate candidates' aptitude for research and is not binding for any
	future doctoral project.
Exam Syllabus	Written Test: i titoli delle dissertazioni scritte saranno scelti dal candidato in una serie di due
	argomenti assegnati per la tematica indicata nei Research Themes. Tali argomenti saranno a
	loro volta estratti da una rosa di sei titoli (due per ogni tipologia di ricerca) preparati dalla
	Commissione.
	Interview: interviews will be individual and the goal is to highlight the themes that come to
	light from the analysis of the written test and to evaluate candidates' aptitude for research.
Research Themes	Critical reflection and application of digital technologies in the field of onomastics and the
	study of the words derived from personal names (deonomastica), with special reference to
	inguistic analysis of data from published and unpublished documentary sources and then
Information on references	use. Condidates must choose not less then one and not more than three reference to support their
information on references	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address: giovanni adorni@unige it and
	conv to: carla marello@unito it and luisa zito@unige it
	copy to: <u>ourna.marono(ayamto.rr</u> and <u>raisu.zito(ayamgo.rr</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	Candidates must show their knowledge of at least one other foreign language, besides their
i or organ Zungungus	mother tongue, chosen among those of the European Union. Foreign candidates must show
	their knowledge of Italian.
Further Information	Foreign candidates can carry out their interview electronically (webconferencing system). In
	order to do so, they must submit a specific request within 30.6.2018 addressed to the
	Coordinator of the Doctoral Course at the following address: giovanni.adorni@unige.it, and
	copy to: <u>carla.marello@unito.it</u> and <u>luisa.zito@unige.it</u> .
	The contact person in administration for the doctoral course is Mrs Luisa Zito:
	luisa.zito@unige.it.

Curriculum: PHILOSOPHY OF LAW AND HISTORY OF LEGAL CULTURE (CODE 7057)

Coordinator: Ivaldi Paola	Coordinator: Ivaldi Paola	
Department of Law Studies (Dipartimento di Giurisprudenza – DDG)		
Places: 3 – Grants: 2 (*)		
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Candidates must present a research project (of about 10,000 strokes, spaces included,	
how to present	in order to be accepted). The project must contain, in order to be accepted, the subject, the	
qualifications/pubblications	objectives, the phases of the research activity, as well as the references deemed essential.	
	Besides being Italian, candidates may choose to write their research project in French, English	
	or Spanish	
	or optimon.	
	The following must be produced in the curriculum and attached documentation:	
	a) qualification;	
	b) any post-graduate qualifications;	
	c) any publications;	
	d) any research experiences and research activities and further education/training.	
Research Themes	- Philosophy of law	
	- Legal reasoning	
	- Theories of legal interpretation	
	- Theories of legal sources	
	- General theory of law and State	
	- Constitutional interpretation	
	- Logic and legal reasoning	
	- Legal Enlightenment and codification ideologies	
	- Philosophies of punishment	
	- Epistemology and theories of legal science	
	- Natural law and legal positivism	
	- Feminist theories of law	
	- Theories of legal norms and legal systems	
	- Theory of legal language	
	- Equality, poverty, welfare state, regulation and deregulation	
	- History and theory of rights	
	- Law, constitutions, constitutionalism	
	- History and theory of legal dogmatics	
	- Legal bioethics and philosophy.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will be their experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to Prof.	
	et et eferie vireille@eiuri unige it	
	at <u>sterania.vircnio@giuri.unige.tt.</u>	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Further Information	Contact person for the curriculum	
	Prof. Pierluigi Chiassoni	
	pierluigi.chiassoni@unige.it	
	Contact person in administration	
	Dott. Stefania Vircillo	
	stefania.vircillo@giuri.unige.it	

Curriculum: INTERNATIONAL LAW (CODE 7058)

Coordinator: Ivaldi Paola	Coordinator: Ivaldi Paola	
Department of Law Studies (Dipartimento di Giurisprudenza – DDG)		
Places: 2 – Grants: 1 (*)		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Modalità	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
Interview	16.7.2018 - 2.00 pm at the at the Department of Law Studies (Dipartimento di	
	Giurisprudenza), in the meeting room of the former Section of International Law Studies, 3rd	
	floor (n. 7B), via Balbi 22, Genova.	
Further information on	By qualifications/publications reference is made to the contents of the application and the	
how to present	curriculum vitae et studiorum, the research project, other qualifications/publications. The	
qualifications/pubblications	application and the attached documents can be in Italian or English, French or Spanish.	
Exam Syllabus	The interview will consist in:	
U U	- a detailed evaluation of competences in relation to the fundamental thematics concerning,	
	the candidate may choose, one of the following areas: international law, European Union	
	law and commercial law, with particular focus on the research themes indicated below;	
	- the discussion of the research project presented.	
Research Themes	Within the doctoral course in international, European Union and commercial law, three	
	research themes are taken into account, which in essence correspond to the disciplinary	
	"areas" (and corresponding "competences") that are inherent to them. These themes moreover	
	are part of a single framework, characterised by the sharing of the same sources, by a	
	multilevel consolidated protection system and by the multidisciplinarity of the approach.	
	The first research theme concerns the most significant recent developments of international	
	law (both public and private), analysed from the point of view of the widening of guaranteed	
	rights of individuals and their "effective" jurisdictional protection. The same perspective is	
	used with reference to the legal system of the European Union, from which the profiles of	
	institutional law stand out as well as material (common market and other areas of the Union's	
	competency, including those of external importance).	
	In respect of commercial law, always within the framework of the subject of harmonization	
	with the European Union, special attention will be given to the regulation of banking,	
	financial and insurance intermediaries and to the corporate governance of listed companies.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to Prof.	
	Lorenzo Schiano di Pepe at: lorenzo.schianodipepe@unige.it and copy to Dott. M. Stefania	
	Lavezzo, contact person in administration, at: <u>55563@unige.it</u> .	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	Contact person for the curriculum	
	Prof. Lorenzo Schiano di Pepe	
	lorenzo.schianodipepe@unige.it	
	Contact person in administration	
	Dott. M. Stefania Lavezzo	
	<u>55563@unige.it</u>	

Curriculum: PRIVATE LAW (CODE 7055)

Coordinator: Ivaldi Paola	
Department of Law Studies (Dipartimento di Giurisprudenza – DDG)	
Places : 2 – Grants : 2 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	17.7.2018 – 11.00 am at the Department of Private Law Studies (Dipartimento di Diritto
	Privato), 4 th floor, Stairway A, via Balbi 22, Genova.
	The interactions may also be held via flyme. In this asso, condidates must indicate their shoirs
	of this method in their applications, together with their Slaupe account
Eurthon information on	By gualifications/publications, reference is made to the contents of the application and the
how to present	curriculum vitae et studiorum the research project other qualifications/publications. The
aualifications/pubblications	application and the attached documents can be in Italian or English French or Spanish
Exam Syllabus	The interview will consist in
	- a detailed evaluation of competences in relation to the fundamental thematics concerning.
	the candidate may choose, one of the following areas: civil law; comparative private law;
	labour law; civil procedural law, with particular focus on the research themes indicated
	below;
	- the discussion of the research project presented.
Research Themes	Within the doctoral course in civil, corporate and international law, four research themes are
	taken into account, which in essence correspond to the disciplinary "areas" (and
	corresponding "competences") that are inherent to them. These themes moreover are part of a
	single framework, characterised by the sharing of the same sources, by a multilevel protection
	system and by the multidisciplinarity of the approach.
	ne must research theme concerns the evolution of the reference frame of contemporary
	this outlook, the evolutionary lines of the system will be analysed with special reference to
	two classical themes of civil law i e the contract and civil liability
	The second research theme, conversely deals with the recent developments in comparative
	private law with special reference to real estate, collateral, property regime of family relations.
	non-profit organizations.
	The third research theme concerns labour law and industrial relations, with reference, at the
	same time, to the overall historical evolution and to the more recent reforms that have
	weighed on the assets of the discipline, within the framework of social law in the European
	Union.
	Finally, the fourth research theme deals with the analysis of the present scenario of civil
	procedural law - also from a comparative point of view - with reference to the introductory
	phase of the cognizance process, the discussion and the evidential models with the connected
	problems.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university preference or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to Prof
	Andrea Fusaro at: andrea fusaro@unige it and conv to Dott M Stefania Lavezzo contact
	person in administration at: 55563@unige it
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Contact person for the curriculum
ruither information	Prof Andrea Fusaro
	andrea fusaro@unige it
	<u>unarourousous</u> ungont
	Contact person in administration
	Dott. M. Stefania Lavezzo
	55563@unige.it

Curriculum: PUBLIC LAW (CODE 7056)

Coordinator: Iva	aldi Paola
Department of La	aw Studies (Dipartimento di Giurisprudenza – DDG)
Places: 3 – Gran	ts: 3 (*)
(*) 2 grants from recipient, is € 15.	the University, the annual gross amount of the grant, including social security expenses to be paid by the 343,28.
(*) 1 grant from	MIUR/DDG funds, the annual gross amount of the grant, including social security expenses to be paid by
the recipient, is t	13.343,28.
Modalita	QUALIFICATIONS/PUBLICATIONS AND EXAM
Written Test	3.7.2018 – 9.00 am at the University of Genova, Aula Poggi (Koom Poggi), via Balbi 5, Genova.
Interview	12.7.2018 – 9.00 am at the Department of Law Studies, Sezione penalistica (Section of Criminal Law), via
F G H I	Balbi 30/1, Genova.
Exam Syllabus	WRITTEN TEST:
	Constitutional Law:
	- A written test which consists in the drawing up of a comment to a judgement of the Constitutional
	Court, or of the European Court of Human Rights, or of the European Court of Justice.
	- Multiple choice questions on the following subjects relevant to the curriculum: internal and
	European constitutional law and comparative constitutional law.
	Criminal Law:
	- issues concerning the general and special part of Criminal Law.
	Criminal Procedure Low
	Ligned concerning the ariminal proceedings also with reference to the European international and
	- issues concerning the criminal proceedings, also with reference to the European, international and
	comparative perspective.
	Tay Law
	I at Law. Issues concerning the general and special part of Tay I aw
	- Issues concerning the general and special part of Tax Law.
	- issues concerning fax proceedings, also with reference to the European, international and
	comparative perspective.
	ORAL TEST.
	The oral test will be a discussion of the written test and the research project presented by the candidate
	coherent with the Research Themes of the curriculum indicating starting scientific basis a basic
	bibliography the organization of the thematic profiles to be studies and the expected results
	Further elements for evaluation:
	- general knowledge of the sectors of the curricula
	- antitude for research
Research	Constitutional Law
Themes	- Historical and institutional evolution of the contemporary State
1 nemes	- Theory of the forms of State and government
	- Constitutional justice
	- Constitutionalization process of the European Union and national and supranational protection
	system of fundamental rights
	- Sources of domestic EU and international law
	- Constitutional revision Constitutional and institutional reform
	Criminal Law:
	- Reform of the criminal code (profiles of the general part and of the special part) also with a view to
	the unification and strengthening of international instruments of cooperation.
	- Reform of the penalty system.
	· · · · · · · · · · · · · · · · · · ·
	Criminal Procedural Law:
	- Themes which have been the object of recent legislative measures, in parallel with the evolution of
	court decisions.
	- Comparative criminal procedural law mainly focussing on the American trial system.
	- International Procedural Criminal Law.
	Tax Law:
	- Basic Tax Law.
	- Procedural Tax Law.

	- Tax Law of the European Union.
	- International Tax Law and the international contrast of aggressive tax planning.
Information on	Reference letters are not required. Nonetheless, any reference letters received will not be taken into
references	consideration for the final score.
Foreign	English or French or German or Spanish
Languages	
Further	Person in charge of the curriculum
Information	Prof. Marco Pelissero
	marco.pelissero@unito.it
	Contact person in administration
	Dott. M. Stefania Lavezzo
	<u>55563@unige.it</u>

Course in: ECONOMICS AND POLITICAL ECONOMY (CODE 7059)

Coordinator: Bottasso Anna		
Department of Economics (Di	ipartimento di Economia – DIEC)	
Places: 5 – Grants: 4 (*)		
(*) 4 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	5.7.2018 – 9.30 am at the Department of Economics (Dipartimento di Economia – DIEC),	
	Via Vivaldi 5, Genova.	
	The intereview may also be held electronically (Skype) should the need arise, on request via	
	email to <u>dottoratodiec@economia.unige.it</u> .	
Further information on	Follow the instructions in the public notice.	
how to present		
qualifications/pubblications		
Exam Syllabus	The interview aims at assessing candidates' knowledge of basic economics and English;	
	furthermore there will be a discussion of the research project presented.	
Research Themes	The main research themes concern:	
	- microeconomics;	
	- macroeconomics;	
	- applied economics;	
	- political economy;	
	- econometrics;	
	- statistics;	
	- history of economics;	
	- nistory of economic thinking;	
Lefermention on meterion and	- Infancial reporting.	
Information on references	Candidates must choose not less than one and not more than three referees to support their sendidature. These referees must be university professors or experts in the subject and it will	
	be their concern to cond reference letters, within the deadline of the public notice to the	
	Coordinator of the Doctoral Course Prof. Anna Bottassa at the following addresses:	
	dottorstodiac@economia.uniga.it.hottassa@economia.uniga.it	
	donoratodree(@economia.umge.n, <u>bottasso(@economia.umge.n</u> .	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their applications	
Foreign Languages	English	

Curriculum: TRANSLATIONAL HAEMATOLOGY (CODE 7062)

Coordinator:	Giannini Edoardo Giovanni
Department of	Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)
Places: 1 – Gi	rants: 1 (*)
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is €	15.343,28.
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written Test	12.7.2018 – 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialita mediche – DIMI), Room C, viale Benedetto XV 6, 16132 Genova.
Interview	12.7.2018 – 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento di
-	Medicina interna e Specialita mediche – DIMI), Room C, viale Benedetto XV 6, 16132 Genova.
Exam	The written test will be on topics relating to the research themes indicated below. The oral test may include a
Syllabus	discussion of the written test and of the candidates' research programmes / field of interest, also on the basis
	of their curriculum vitae.
Dagaanah	English knowledge will be ascentanied with a short reading and translation test.
Research	- The fole of Minimal Residual Disease in the therapeutic programme of haemotological heopiasia.
Themes	- Innovative inerapeutic approaches in multiple inveronna. Molecular analysis and study of the micro environment in leukaemias and multiple myeloma
	- Role of immunotherapy and its applications in haemato oncological diseases
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These
on	referees must be university professors or experts in the subject and it will be their concern to send reference
references	letters within the deadline of the public notice to the Coordinator of the Doctoral Course at the following
references	address.
	Prof. Edoardo Giannini
	Dipartimento di Medicina interna e Specialità mediche (DIMI)
	Viale Benedetto XV 6
	16132 Genova
	egiannini@unige.it
	and to Prof. Roberto Lemoli
	roberto.lemoli@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in their
	applications.
Foreign	English
Languages	
Further	Contact professors:
Information	
	Prof. Roberto Lemoli
	roberto.lemoli(@)unige.it
	Prof. Michala Can
	michele cea@unige it
	<u>intenete.ced(d/dilige.it</u>

Curriculum: CLINICAL PATHOPHYSIOLOGY OF ENDOCRINE AND METABOLIC DISORDERS (CODE 7066)

Coordinator: Gi	annini Edoardo Giovanni	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)		
Places: 1 - Gran	ts: 1 (*)	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.	343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written Test	10.7.2018 – 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Interview	10.7.2018 – 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento di	
E A B A	Medicina interna e Specialita mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Exam Syllabus	The written test will be on topics relating to the research themes indicated below. The oral test may	
	include a discussion of the written test and of the candidates research programmes / field of interest, also	
D I	on the basis of their curriculum vitae.	
Research	- Physiopathology of hypophyseal secretions, with special regard to the hypothalamus-somatotropin-	
Inemes	protactin axis and to the IGF1 system.	
	- Physiopathology of the receptors for somatostatin in neuroendocrine and phuntary tumours.	
	- Epidemiological and chineal aspects of thyroid hoddles even in relation to fourie suppry.	
Information on	- Central mechanisms of msum action and outer growth factors.	
references	These referees must be university professors or experts in the subject and it will be their concern to send	
references	reference letters within the deadline of the public notice to the Coordinator of the Doctoral Course at the	
	following address:	
	Prof. Edoardo Giannini	
	Dipartimento di Medicina interna e Specialità mediche (DIMI)	
	Viale Benedetto XV 6	
	16132 Genova	
	egiannini@unige.it	
	and to Prof. Diego Ferone	
	ferone@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Further	Contact professors:	
Information	Prof Diago Forono	
	frone@unige_it	
	Prof Davide Maggi	
	davide maggi@unige it	
	<u></u>	

Curriculum: CLINICAL PATHOPHYSIOLOGY OF RENAL, CARDIOVASCULAR AND ARTERIAL HYPERTENSIVE DISEASES (CODE 7065)

Coordinator: Giannini Edoardo Giovanni		
Department of In	ternal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)	
Places: 1 – Gran	ts: 1 (*)	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.	343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written Test	10.7.2018 – 9.00 at the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI) Room C, ground floor, viale Benedetto XV 6, Genova	
Interview	10.7.2018 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartmento di	
	Medicina interna e Specialità mediche – DIMI) Room C ground floor viale Renedetto XV 6 Genova	
Exam Syllabus	The written test will be on tonics relating to the research themes indicated below. The oral test may	
Exam Synabus	include a discussion of the written test and of the candidates' research programmes / field of interest also	
	on the basis of their curriculum vitae, as well the evaluation of the level of English knowledge.	
Research	- Haemodynamic and metabolic mechanisms involved in the development of renal organ and extrarenal	
Themes	damage.	
	- Albuminuria as predictor of renal and cardiovascular damage and light renal dysfunctions.	
	- Biology, pathophysiology and epidemiology of cardiac failure.	
	- Thrombosis and anticoagulation in atrial fibrillation and in acute coronary syndromes.	
	- Atheroscelorosis, diabetic nephropathy, chronic kidney disease: role of innate or acquired immunity.	
Information on	Candidates must choose not less than one and not more than three referees to support their candidature.	
references	These referees must be university professors or experts in the subject and it will be their concern to send	
	reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the	
	following address:	
	Prof. Edoardo Giannini	
	Dipartimento di Medicina interna e Specialità mediche (DIMI)	
	Viale Benedetto XV 6	
	16132 Genova	
	egiannini@unige.it	
	francesca viazzi (uniga it	
	<u>Indicesca.vidzzi(@julige.it</u>	
	The name status and service place of the referees chosen by the candidates must be stated in their	
	applications	
Foreign	English	
Languages		
Further	Contact professors:	
Information		
	Prof.ssa Francesca Chiara Viazzi	
	francesca.viazzi@unige.it	
	Prof. Pietro Ameri	
	<u>pietroameri@unige.it</u>	

Curriculum: CLINICAL AND EXPERIMENTAL RESPIRATORY PATHOPHYSIOLOGY (CODE 7067)

Coordinator: Gi	annini Edoardo Giovanni	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)		
Places: 1 – Grants: 0		
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written Test	10.7.2018 – 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Interview	10.7.2018 – 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Exam Syllabus	The written test will be on topics relating to the research themes indicated below. The oral test may	
	include a discussion of the written test and of the candidates' research programmes / field of interest, also	
	on the basis of their curriculum vitae.	
Research	- The relationships between allergic inflammations and bronchomotricity, study of pharmacological	
Inemes	and immunotherapeutic effects on allergic inflammation and on bronchial reactivity.	
	- Function and structure of the bronchial part, study of inflammatory and remodeling processes.	
	- Mechanisms of bronchial obstruction at rest and under stress: clinical pathophysiology and	
	Advanced therapeutic strategies in allergology and pneumology	
Information on	Candidates must choose not less than one and not more than three referees to support their candidature	
references	These referees must be university professors or experts in the subject and it will be their concern to send	
i cici ciices	reference letters within the deadline of the public notice to the Coordinator of the Doctoral Course at the	
	following address; Prof. Alberto Ballestrero, DIMI, viale Benedetto XV 6, Genova, Or via email to:	
	Prof. Edoardo Giannini	
	Dipartimento di Medicina interna e Specialità mediche (DIMI)	
	Viale Benedetto XV 6	
	16132 Genova	
	egiannini@unige.it	
	and to Prof. Giovanni Passalacqua	
	passalacqua@unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
г •	applications.	
Foreign	English	
Languages	Contrast professions:	
rurther Information	Contact professors.	
mormation	Prof. Giovanni Passalacqua	
	nassalaequa@unige_it	
	Prof ssa Anna Maria Riccio	
	anna maria riccio@unige.it	

Curriculum: ONCOLOGIC GENETICS AND MOLECULAR PATHOLOGY (CODE 7060)

Coordinator:	Giannini Edoardo Giovanni	
Department of	Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)	
Places: 1 – Gi	rants: 1 (*)	
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is €	15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written Test	12.7.2018 – 9:00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Niedicina interna e Specialita medicne – DIMI), Conference Room (Sala Conferenze), viale Benedetto XV 6,	
T	Utiliova. 12.7.2018 2.00 nm at the Department of Internal Madiaina and Madiaal Specialities (Dipartiments di	
Interview	12.7.2018 – 2.00 pin at the Department of Internal Medicine and Medical Specialities (Dipartmento di Madiana interna a Specialità medicha DIMI). Conference Ream (Sala Conferenza), viala Repedette XV 6	
	Genova	
Fyom	The written test will be on tonics relating to the research themes indicated below. The oral test may include a	
Exam	discussion of the written test and of the candidates' research programmes / field of interest also on the basis	
Synabus	of their curriculum vitae	
	English knowledge will be ascertained with a short reading and translation test	
Research	- Determination of genes involved in the onset, progression and metastasis phase of the neoplasia by	
Themes	means of studies at tissue level for the development of tumourigenesis and targeted therapy.	
	- Genetic determinants of response to therapy.	
	- Predisposition to the development of tumours. Studies on high and low penetrance susceptibility genes	
	and new models to calculate the risk.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These	
on	referees must be university professors or experts in the subject and it will be their concern to send reference	
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following	
	address:	
	Prof. Edoardo Glannini Dinartimente di Madicina interna a Spacialità madiaha (DIMI)	
	Viale Benedetto XV.6	
	16132 Genova	
	egiannini@unige_it	
	and to Prof. Paola Ghiorzo	
	paola ghiorzo@unige.it	
	and to Prof. Roberto Fiocca	
	fiocca@unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		
Further	Contact professors:	
Information		
	Prof.ssa Paola Ghiorzo	
	paola.gniorzo(a)unige.it	
	Prof. Roberto Figure 2	
	nocca(g)unge.n	

Curriculum: GERONTOLOGY, PATHOPHYSIOLOGY OF GERIATRIC DISEASES AND ANTI-AGEING MEDICINE (CODE 7068)

Coordinator:	Giannini Edoardo Giovanni
Department of	Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)
Places: 1 – Gr	rants: 1 (*)
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is €	15.343,28.
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written Test	10.7.2018 - 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.
Interview	10.7.2018 - 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.
Exam	The written test will be on topics relating to the research themes indicated below. The oral test may include a
Syllabus	discussion of the written test and of the candidates' research programmes / field of interest, also on the basis
	of their curriculum vitae.
Research	- Biochemistry of ageing: regulation of i) autophagy, ii) IGF-1 signaling, iii) NAD+ intracellular, iv)
Themes	sirtuine, v) response to oxidative stress.
	- Pathophysiology of fragility in the elderly.
	- Ageing and tumours: biology, main clinical problems in the treatment, genatric profiling of the elderly
	suffering from cancer.
	- Heat restriction and fasting as strategies for the advancement of longevity and for the treatment of
.	diseases: biologic rationale and clinical evidence.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These
on	referees must be university professors or experts in the subject and it will be their concern to send reference
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following
	address:
	Prof. Eduardo Giannini
	Dipartimento di Medicina interna e Specialità mediche (DIMI)
	Viale Benedetto XV 6
	16132 Genova
	egianninj@unige_it
	and to Prof. Alessio Nencioni
	alessio.nencioni@unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their
	applications.
Foreign	English
Languages	
Further	Contact professors:
Information	
	Prof. Alessio Nencioni
	<u>alessio.nencioni@unige.it</u>
	Prof. Fiammetta Monacelli
	<u>fiammetta.monacelli@unige.it</u>

Curriculum: AUTOIMMUNE AND AUTOINFLAMMATORY DISEASES: PATHOPHYSIOLOGICAL AND DIAGNOSTIC ASPECTS (CODE 7064)

Coordinator:	Giannini Edoardo Giovanni	
Department of	Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)	
Places: 1 – Gi	rants: 1 (*)	
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is €	15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written Test	10.7.2018 - 9:00 at the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina	
	interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Interview	10.7.2018 - 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento d	
	Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Exam	The written test will be on topics relating to the research themes indicated below. The oral test may include a	
Syllabus	discussion of the written test and of the candidates' research programmes / field of interest, also on the basis	
	of their curriculum vitae.	
Research	- Immunoregulation and autoimmunity: the role of molecular mechanisms of co-stimulation.	
Themes	- Laboratory diagnostics of systemic and organ-specific autoimmune diseases.	
	- Autoimmune thyroid pathologies, celiac disease, autoimmune gastritis and multi-autoimmune	
	syndromes: epidemiological, immunological and genetic aspects.	
	- Autoinflammation and autoimmunity: innate and acquired immunity and cardiocirculatory	
	decompensation, role of the endothelium.	
	- New immunological markers of autoimmune diseases.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These	
on	referees must be university professors or experts in the subject and it will be their concern to send reference	
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following	
	address:	
	Drof Eduarda Ciannini	
	FIOI. Eulardo Oraninini Dinartimanta di Madiaina interna a Spacialità madiaha (DIMI)	
	Viale Benedetto XV 6	
	16132 Genova	
	egiannini@unige_it	
	and to Prof. Daniele Saverino	
	daniele saverino@unige it	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		
Further	Contact professors:	
Information	•	
	Giuseppe Murdaca	
	giuseppe.murdaca@unige.it	
	Daniele Saverino	
	daniele.saverino@unige.it	

Curriculum: DISEASES OF THE DIGESTIVE SYSTEM AND OF THE LIVER (CODE 7063)

Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIM Places: 1 – Grants: 1 (*) (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by recipient, is € 15.343,28. Comparative assessment	I) the di
Places: 1 – Grants: 1 (*) (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by recipient, is € 15.343,28. Comparative gual UALIFICATIONS/PUBLICATIONS AND EXAM assessment	the di
 (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by recipient, is € 15.343,28. Comparative assessment) di) di
recipient, is € 15.343,28. Comparative assessment	o di o di
Comparative QUALIFICATIONS/PUBLICATIONS AND EXAM assessment	o di o di
assessment	o di o di
) di) di
procedure	o di o di
Written Test 10.7.2018 – 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento) di
Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	o di
Interview 10.7.2018 – 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento	
Medicina interna e Specialità mediche – DIMI), Room C, ground floor, viale Benedetto XV 6, Genova.	
Exam Syllabus The written test will be on topics relating to the research themes indicated below. The oral test r	nay
include a discussion of the written test and of the candidates' research programmes / field of interest, a	lso
on the basis of their curriculum vitae.	
Research - Eosinophilic esophagitis: advanced diagnostic techniques and nosographic characterization.	I
Themes - Gastroesophageal reflux diseases: evaluation of acid and non-acid reflux by means of pH-metry	and
Approach and diagnosis thereasy of abronic inflammatory discasses of the intesting	
- Approach and diagnosis merapy of chrome inflaminatory diseases of the intestine.	
- Henatocellular carcinoma: prognostic factors and new therapeutic approaches	
- Structure and physiology of the stomatognathic system: morphology of the different component	s in
relation to function	, 111
- Epidemiology of oral diseases: incidence, preponderance, correlation with the general state of her	alth
and with systemic diseases, with special regard to the digestive system.	
Information on Candidates must choose not less than one and not more than three referees to support their candidates	ıre.
references These referees must be university professors or experts in the subject and it will be their concern to s	end
reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at	the
following address:	
Prof. Edoardo Giannini	
Dipartimento di Medicina interna e Specialità mediche (DIMI)	
Viale Benedetto XV 6	
16132 Genova	
egiannini(<i>a</i>)unige.it	
and to Prof. Paolo Pera	
paolopera(<i>a</i>)unige.n	
The name status and service place of the reference chosen by the condidates must be stated in the	nair
applications	ICII
Foreign English	
Languages	
Further Contact professors:	
Information	
Prof. Edoardo G. Giannini	
edoardo.giannini@unige.it	
Prof. Paolo Pera	
paolopera@unige.it	

Curriculum: TRANSLATIONAL ONCOLOGY (CODE 7061)

Coordinator: Giannini Edoardo Giovanni			
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche – DIMI)			
Places: 1 – Gran	nts: 0		
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM		
assessment			
procedure			
Written Test	12.7.2018 - 9.00 am at the Department of Internal Medicine and Medical Specialities (Dipartimento di		
	Medicina interna e Specialità mediche – DIMI), Conference Room (Sala Conferenze), viale Benedetto XV		
	6, Genova.		
Interview	12.7.2018 - 2.00 pm at the Department of Internal Medicine and Medical Specialities (Dipartimento d		
Medicina interna e Specialità mediche – DIMI), Conference Room (Sala Conferenze), viale Bener			
	6, Genova.		
Exam Syllabus	The written test will be on topics relating to the research themes indicated below. The oral test may		
	include a discussion of the written test and of the candidates' research programmes / field of interest, also		
	on the basis of their curriculum vitae.		
	English knowledge will be ascertained with a short reading and translation test.		
Research	- Monitoring of solid neoplasias by analyzing circulating nucleic acids.		
Themes	- Study of the molecular prognostic and predictive factors of the response of solid neoplasias.		
	- Pre-clinical studies of associations between/among new antineoplastic drugs.		
- Pre-clinical and clinical experiments in translational oncology.			
	- Innovative therapeutic approaches in the treatment of solid tumours and haematological neoplasias.		
	- I umour pathology as the pathology of the molecular networks of control.		
T. C	- Study of the molecular and pathogenic aspects of cardiotoxicity due to antibiastic drugs.		
Information on	These referees must be university professors or experts in the subject and it will be their concern to cond		
references	reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the		
	following address:		
	ionowing address.		
	Prof Edoardo Giannini		
	Dipartimento di Medicina interna e Specialità mediche (DIMI)		
	Viale Benedetto XV 6		
	16132 Genova		
	egiannini@unige.it		
	and to Prof. Alberto Ballestrero		
	aballestrero@unige.it		
	and to Prof. Francesco Boccardo		
	<u>f.boccardo@unige.it</u>		
	The name, status and service place of the referees chosen by the candidates must be stated in their		
	applications.		
Foreign	English		
Languages			
Further	Contact professors:		
Information	Drof Alberto Dellectrone		
	PIOI. AIDEILO DAILESTIETO		
	avanesu ero(@,umge.it		
	Prof. Francesco Boccardo		
	f hoccardo@unige it		
	1.000cardo(g/amgc.ft		

Course in: PHYSICS AND NANOSCIENCES In agreement with the Istituto Italiano di Tecnologia (IIT - Italian Institute of Technology)

Curriculum: PHYSICS (CODE 7073)

Coordinator: Petrolini Aless	Coordinator: Petrolini Alessandro		
Dipartimento di Fisica (DIFI)			
Places: 9 – Grants: 8 (*)			
(*) 6 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
(*) I grant funded by the Na	tional Institute of Nuclear Physics (Istituto Nazionale di Fisica Nucleare – INFN), the annual		
gross amount of the grant, inc	luding social security expenses to be paid by the recipient, is $\notin 15.343,28$.		
(*) I grant funded by the Co	nsorzio EGO, the annual gross amount of the grant, including social security expenses to be		
paid by the recipient, is £ 15.	043,20.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
procedure			
Interview	4.7.2018 – ore 9:00 presso il Dipartimento di Fisica (DIFI), via Dodecaneso 33, Genova.		
Further information on	All the applicants shall provide an active email address, to which official communications can		
how to present	be sent.		
qualifications/pubblications	The University of Genova shall not assume any responsibility for lack of reception of the		
	messages, whatever the reason.		
Exam Syllabus	- Discussion of Qualifications/Publications.		
	- Discussion of the 5-year degree course dissertation.		
	- Presentation and discussion of the proposed research project.		
	- Discussion on Basic Physics topics (general physics, modern physics).		
Research Themes	Theoretical and Experimental Physics of Fundamental Interactions.		
	Experimental and theoretical Physics of Matter.		
	Astronomy and Astrophysics.		
	Consorzio EGO scholarshin theme:		
	Consolized EGO scholarship meme. Development of ontical systems for the generation of light squeezed by photon entanglement		
	with application to interferometric gravitational wave detectors		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public notice, to the		
	Coordinator of the Doctoral Course at the following addresses:		
	segreteria-didattica@fisica.unige.it		
	and		
	<u>alessandro.petrolini@ge.infn.it</u>		
	If a second to be an first to be a first and a first to be from the		
	If possible, it would be preferable for at least one referee to be from the		
	University/CINK/INFIN/III.		
	The reference letters must be written in English with a maximum of 5 000 strokes spaces		
	included.		
	The subject of the email must be:		
	"REFERENCE LETTER FOR PHD APPLICATION".		
Foreign Languages	Excellent knowledge of both spoken and written English.		
	A very basic knowledge of Italian is desirable.		
Frankland Information	Each condidate must monopo the macanah mainet they intend to must be derive the three		
rurther information	Lach candidate must propose the research project they intend to work on during the three years of the Doctoral Course		
	The project must be written exclusively in English and within the maximum limit of 5 000		
	strokes, space included.		

Course in: PHYSICS AND NANOSCIENCES In agreement with the Istituto Italiano di Tecnologia (IIT - Italian Institute of Technology)

Curriculum: BIO-NANOSCIENCES (7140)

Coordinator: Petrolini Alessa	andro		
Department of Physics (Dipar	Department of Physics (Dipartimento di Fisica – DIFI)		
Places : 6 – Grants : 5 (*)			
(*) 5 grants funded by the Isti	tuto Italiano di Tecnologia (IIT - Italian Institute of Technology), the annual gross amount of		
the grant, including social sec	urity expenses to be paid by the recipient, is \notin 16.500,00.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
procedure			
-			
Interview	4.7.2018 – 9.00 am at the Department of Physics (Dipartimento di Fisica – DIFI), via		
	Dodecaneso 33, Genova.		
Further information on	All the applicants shall provide an active email address, to which official communications		
how to present	can be sent.		
qualifications/pubblications	The University of Genova shall not assume any responsibility for lack of reception of the		
	messages, whatever the reason.		
Exam Syllabus	- Discussion of Qualifications/Publications.		
	- Discussion of the 5-year degree course dissertation.		
	- Presentation and discussion of the proposed research project.		
	- Discussion on Basic Physics topics (general physics, modern physics).		
Research Themes	The grants are assigned within the following thematics:		
	1. Deep sub-wavelength laser processing with advanced optical systems and engineered		
	materials.		
	2. Circular intensity differential light scattering signature of biological macromolecules.		
	3. Transient absorption, multi-photon and second-harmonic generation microscopy to		
	investigate biological macromolecules and nanomaterials.		
	4. Label free imaging by means of super resolved ptychography.		
	5. Non-linear optical interactions and electric measurements to locate membrane channel distribution		
	6 Atomic force microscopy and super resolution optical microscopy to study changes in		
	molecular mechanisms affecting cell adhesion canability in cancer diseases		
	7. Molecular recognition platforms for miniaturized biosensor design.		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public notice, to the		
	Coordinator of the Doctoral Course at the following addresses:		
	<u> </u>		
	segreteria-didattica@fisica.unige.it		
	and		
	alessandro.petrolini@ge.infn.it		
	The reference letters must be written in English with a maximum of 5 000 strokes spaces		
	included		
	The subject of the email MUST be		
	"REFERENCE LETTER FOR PHD APPLICATION".		
Foreign Languages	Excellent knowledge of both spoken and written English.		
- or organ Zungungus	A very basic knowledge of Italian is desirable.		
Further Information	Each candidate must propose the research project they intend to work on during the three		
	years of the Doctoral Course.		
	The project must be written exclusively in English and within the maximum limit of 5,000		
	strokes, space included.		
Course in: CLINICAL AND EXPERIMENTAL IMMUNOLOGY (CODE 7074)

Coordinator: Min	ngari Maria Cristina	
Excellence Centre for the research and study of molecular communication mechanisms between cells: from basic research to		
the clinic (Centro di Eccellenza per lo studio dei meccanismi molecolari di comunicazione tra cellule: dalla ricerca di base		
alla clinica – CEBR)		
Places: 5 – Grants: 4 (*)		
(*) 3 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.3	343,28.	
(*) 1 grant co-fun	ided by MIUR/CEBR, the annual gross amount of the grant, including social security expenses to be paid	
by the recipient, is	\$€15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	3.7.2018 - 9.30 am at the Excellence Centre for the research and study of molecular communication	
	mechanisms between cells: from basic research to the clinic (Centro di Eccelienza per lo studio del	
	riunioni (Meeting Poom) 1 st floor (Building "Clinica Oculistica"). Viale Benedetto XV.0, Genova	
	Tunioni (Meeting Room), 1 moor (Bunding Chinea Ocunstica), viale Benedetto X v 9, Genova.	
	The evaluation of qualifications/nublications and the posting of the list will be $2/7/2018$ by 3.00 pm	
	The evaluation of quantications/publications and the posting of the list will be 2/1/2016 by 5.00 pm.	
	For those candidates who have been admitted to the interview and cannot reach the exam venue in time, it	
	is possible to have the intervie via Skype by connecting to the contact the will receive in response to their	
	request to be carried out via email to cebr@unige.it by 5 pm of 2/7/2018.	
Exam Syllabus	The written test will be on topics relating to Basic and Clinical Immunology, on the presentation and	
•	discussion of the proposed and the reading and comprehension of a scientific text in English.	
Research	Basic and Clinical Immunology.	
Themes		
Information on	Candidates must choose not less than one and not more than three referees to support their candidature.	
references	These referees must be university professors or experts in the subject and it will be their concern to send	
	reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the	
	following address: mariacristina.mingari@unige.it and: eva.baraldi@unige.it and	
	daniela.guelfo@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		

Course in: COMPUTER SCIENCE AND SYSTEMS ENGINEERING Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK)

Curriculum: COMPUTER SCIENCE (CODE 7075)

Coordinator: Delzanno Giorg	Coordinator: Delzanno Giorgio		
Department of IT, Bioenginee	Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica		
e ingegneria dei sistemi – DIE	3RIS)		
Places: 7 – Grants: 5 (*)			
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
procedure			
Interview	12.7.2018 - 9.00 am at the Department of IT, Bioengineering, Robotics and Systems		
	Engineering (Dipartimento di Informatica, bioingegneria, fobolica e ingegneria dei sistemi –		
	DIBRIS), Sede ul valletta Puggia, via Douecalleso 55, Genova.		
	An interview over the phone and via video conference is also possible.		
	The date will probably be scheduled on the following days should there be a high number of		
	candidates.		
Further information on	Suggestions on how to organize the research projects are available on the Doctoral web page		
how to present	at the following link: http://phd.dibris.unige.it/csse/index.php/how-to-apply.		
qualifications/pubblications			
Exam Syllabus	The comparative assessment procedure consists in the evaluation of		
	qualifications/publications and in an interview to assess the knowledge needed to undertake a		
	doctoral course in computer science and a discussion on the candidate's research proposal.		
Research Themes	The research lines of the Curriculum in Computer Science concern the following macro areas:		
	- Artificial intelligence and Multi-agent Systems.		
	- Data Science and Engineering.		
	- Secure and Keliable Systems.		
	- Human-Computer Interaction.		
	- Science and Technology for Health.		
	as described at the website of the doctoral course available at the link		
	http://phd dibris.unige_it/csse/		
	<u>nup.//pid.dioris.dinge.iv/0507</u> .		
	Some more specific research projects proposed by DIBRIS research groups are described a		
	the link:		
	http://phd.dibris.unige.it/csse/index.php/how-to-apply.		
	Research projects which do not refer to the specific themes listed above will be taken into		
	consideration as long as they are within the research lines of the Doctoral Course.		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public hotice, to the		
	Coordinator of the Doctoral Course at the following address. <u>phd.compsci@utoris.unige.n</u> .		
	The name status and service place of the referees chosen by the candidates must be stated in		
	their applications		
	A template of a reference letter is available on the Doctoral web page at the following link:		
	http://phd.dibris.unige.it/csse/index.php/how-to-apply.		
Foreign Languages	English		
Further Information	Coordinator of the Doctoral Course		
	Prof. Giorgio Delzanno		
	DIBRIS		
	Via Dodecaneso 35		
	16146 Genova		
	(+39) 0103536603		
	giorgio.delzanno(a)unige.it		

Course in: COMPUTER SCIENCE AND SYSTEMS ENGINEERING Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK)

Curriculum: SYSTEMS ENGINEERING (CODE 7076)

Coordinator: Delzanno Giorgio			
Department of IT, Bioenginee	ering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica		
e ingegneria dei sistemi – DIE	3RIS)		
Places: 4 – Grants: 3 (*)	Places: 4 – Grants: 3 (*)		
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
(*) 1 grant funded by the Fo	ndazione CIMA (CIMA Foundation), the annual gross amount of the grant, including social		
security expenses to be paid by	y the recipient, is $\notin 15.343,28$.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
procedure			
Interview	13.7.2018 - 9.00 am at the Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS), Via Opera Pia 13, Genova.		
	An interview over the phone and via video conference is also possible.		
	The date will probably be scheduled on the following days should there be a high number of		
	candidates.		
Further information on	Suggestions on how to organize the research projects are available on the Doctoral web page		
how to present	at the following link: <u>http://phd.dibris.unige.it/csse/index.php/how-to-apply</u> .		
qualifications/pubblications			
Exam Syllabus	The comparative assessment procedure consists in the evaluation of		
	qualifications/publications and in an interview on theoretical and/or practical contents		
	of interest		
Research Themes	The research lines of the Syllabus in Systems Engineering concern the main sectors of		
Research Themes	Systems Engineering i e		
	- modelling of dynamic systems:		
	- patterns and algorithms for the optimization of performances;		
	- design and development of regulating methods and patterns;		
	- planning at different decisional levels;		
	- monitoring and supervision.		
	More detailed information on specific thematics is described on the Web page: http://phd.dibris.unige.it/csse/index.php/how-to-apply.		
	Research projects that do not refer to the specific themes mentioned on the abovementioned Web page are accepted as long as they are included in the research lines of the Doctoral course specified above		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public notice, to the		
	Coordinator of the Doctoral Course at the following address: <u>phd.compsci@dibris.unige.it.</u>		
	The name, status and service place of the referees chosen by the candidates must be stated in		
	their applications.		
	A template of a reference letter is available on the Destard web needs at the following link:		
	http://phd dibris unige it/csse/index php/how to apply		
Foreign Languages	Fnglish		
Further Information	Coordinator of the Doctoral Course		
	Prof. Giorgio Delzanno		
	DIBRIS		
	Via Dodecaneso 35		
	16146 Genova		
	(+39) 0103536603		
	giorgio.delzanno@unige.it		
	Contact person for the curriculum		
	PTOL SIMONA Sacone		
	DIRKI2		

V	Via All'Opera Pia, 13
1	6145 Genova
(-	+39) 0103532804
S	imona.sacone@unige.it

Course in: COMPUTER SCIENCE AND SYSTEMS ENGINEERING Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK)

Curriculum: SECURE AND RELIABLE SYSTEMS (CODE 7077)

Coordinator: Delzanno Giorg	gio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica		
e ingegneria dei sistemi – DIBRIS)		
Places: 3 – Grants: 3 (*)		
(*) 3 grants funded by the Br	uno Kessler Froundation (Fondazione Bruno Kessler - FBK), the annual gross amount of the	
grant, including social security	y expenses to be paid by the recipient, is \notin 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	12.7.2018 - 9.00 am at the Department of IT, Bioengineering, Robotics and Systems	
	Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi -	
	DIBRIS), Sede di Valletta Puggia, Via Dodecaneso 35, Genova.	
	An interview over the phone and via video conference is also possible.	
	The date will probably be scheduled on the following days should there be a high number of	
	candidates.	
Further information on	Suggestions on how to organize the research projects are available on the Doctoral web page	
how to present	at the following link: <u>http://phd.dibris.unige.it/csse/index.php/how-to-apply</u> .	
qualifications/pubblications		
Exam Syllabus	The comparative assessment procedure consists in the evaluation of	
	qualifications/publications and in an interview on theoretical and/or practical contents	
	concerning the research themes indicated below and the on the candidate's research activities	
	of interest.	
Research Themes	The research lines of the Syllabus in Secure and Reliable Systems concern the following	
	areas:	
	- Cyber Security Posture: a Quantitative Approach.	
	- Security Testing of Blockchain Smart Contract.	
	- Formal Methods for Requirements Validation of Resilient Systems.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course at the following address: <u>phd.compsci@dibris.unige.tt.</u>	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications	
Foreign Languages	Fnglish	
Further Information	Coordinator of the Doctoral Course	
ruither mormation	Prof Giorgio Delzanno	
	DIBRIS	
	Via Dodecaneso 35	
	16146 Genova	
	(+39) 0103536603	
	giorgio.delzanno@unige.it	
	FBK contact person	
	Dott. Mariano Ceccato	
	FBK Trento	
	Via Sommarive 18	
	38123 Trento	
	(+39) 0461314577	
	ceccato@fbk.eu	

Curriculum: FLUID DYNAMICS AND ENVIRONMENTAL ENGINEERING (CODE 7078)

Coordinator: Busca Guido	
Department of Civil, Chemic	al and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale -
DICCA)	
Places : 3 – Grants : 3 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28	
(*) 1 grant funded by DICCA	A, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	12.7.2018 – 9.00 am at the Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale – DICCA), room A11, via Montallegro 1, Genova.
	Should there be a high number of candidates, the interviews will continue on the following day.
	The interview may also take place electronically, on candidates' request, by contacting the doctoral secreterial staff (<u>dottorato.dicca@unige.it</u>) and Prof. Rodolfo Repetto (<u>rodolfo.repetto@unige.it</u>) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the test to be carried out.
Further information on	The application (curriculum) must contain a document stating the courses followed and marks
how to present	obtained throughout the candidate's university career.Undergraduate candidates at the deadline
qualifications/pubblications	of the public notice can submit further documentation, which they deem more appropriate, in
	order to document their university career.
Exam Syllabus	The interview will be a detailed scientific discussion of the candidate's research project,
	his/her Curriculum and his/her qualifications/publications, the aim is also to ascertain the
	candidate has adequate knowledge to profitably deal with the studies in the chosen
Desearch Thomas	The themes dealt with in the curriculum of the "Eluid Dynamics and Environmental
Research Themes	Engineering" course, are described in detail on the course web page: http://dottorato.dicca.unige.it/ita/fluamb.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. It is preferable for one of the referees to be a member of the curriculum
	(http://dottorato.dicca.unige.it/ita/index.html) with whom the research project has been
	agreed. These referees must however be university professors or experts in the subject. If the
	referee is an expert in the subject, his/her Curriculum Vitae and a list of pubblications are also
	required. It will be the referees' concern to send reference letters, within the deadline of the
	public notice, to the doctoral secretariat: <u>dottorato.dicca@unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
	Reference letters that are not presented as requested will not be taken into consideration
Foreign Languages	English
0 0 0	
Further Information	http://dottorato_dicca_unige_it/ita/index_html
a artist mittimation	
	dottorato.dicca@unige.it
	Prof. Rodolfo Repetto
	rodolfo.repetto@unige.it

Curriculum: CHEMICAL ENGINEERING, MATERIALS AND PROCESSES (CODE 7079)

Coordinator: Busca Guido		
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale -		
DICCA)		
Places: 3 – Grants: 2 (*)	Places: 3 – Grants: 2 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure Latouriour	12.7.2018 0 am at the Department of Civil Chemical and Environmental Engineering	
Interview	(Dipartimento di Ingegneria civile chimica e ambientale – DICCA) room All via	
	Montallegro 1 Genova	
	Should there be a high number of candidates, the interviews will continue on the following	
	day.	
	The interview may also take place electronically, on candidates' request, by contacting the	
	doctoral secreterial staff (<u>dottorato.dicca@unige.it</u>) and Prof. Attilio Converti	
	<u>convertioning ent</u> at least 15 days before the evaluation. Candidates must have a reliable	
Further information on	The application (curriculum) must contain a document stating the courses followed and marks	
how to present	obtained throughout the candidate's university career	
qualifications/pubblications	Undergraduate candidates at the deadline of the public notice can submit further	
4	documentation, which they deem more appropriate, in order to document their university	
	career.	
Exam Syllabus	The interview will be a detailed scientific discussion of the candidate's research project,	
	his/her Curriculum and his/her qualifications/publications, the aim is also to ascertain the	
	candidate has adequate knowledge to profitably deal with the studies in the chosen	
	curriculum.	
Research Themes	The themes dealt with in the curriculum of the "Chemical Engineering, Materials and	
	http://dottorato.dicca.unige.it/ita/chmatpr	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
intermetion on references	candidature. It is preferable for one of the referees to be a member of the curriculum	
	(http://dottorato.dicca.unige.it/ita/index.html) with whom the research project has been	
	agreed. These referees must however be university professors or experts in the subject. If the	
	referee is an expert in the subject, his/her Curriculum Vitae and a list of pubblications are also	
	required. It will be the referees' concern to send reference letters, within the deadline of the	
	public notice, to the doctoral secretariat: <u>dottorato.dicca@unige.it.</u>	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications	
	Reference letters that are not presented as requested will not be taken into consideration.	
Further information on	The application (curriculum) must contain a document stating the courses followed and marks	
how to present	obtained during the entire university career of the candidate.	
qualifications/pubblications	Undergraduate candidates at the deadline of the public notice can submit further	
	documentation, which they deem more appropriate, in order to document their university	
Foreign Languages	English	
roreign Danguages		
Further Information	http://dottorato.dicca.unige.it/ita/index.html	
	<u>dottorato.dicca@unige.it</u>	
	Prof. Attilia Converti	
	attilio converti@unige it	

Curriculum: STRUCTURES, MATERIALS AND GEOTECHNICS (CODE 7080)

Coordinator: Busca Guido	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale – DICCA)	
Places : 4 – Grants : 3 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28	
(*) 1 grant co-funded by MIU	JR/DICCA, the annual gross amount of the grant, including social security expenses to be paid
by the recipient, is \in 15.343,2	8.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	12.7.2010
Interview	(Dipartimento di Ingegneria civile, chimica e ambientale – DICCA), room A11, via Montallegro 1, Genova.
	Should there be a high number of candidates, the interviews will continue on the following day.
	The interview may also take place electronically, on candidates' request, by contacting the doctoral secreterial staff (<u>dottorato.dicca@unige.it</u>) and Prof. Roberta Massabò <u>roberta.massabo@unige.it</u> at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the test to be carried out.
Further information on	The application (curriculum) must contain a document stating the courses followed and marks
how to present	obtained throughout the candidate's university career.
qualifications/pubblications	Undergraduate candidates at the deadline of the public notice can submit further documentation, which they deem more appropriate, in order to document their university
Exam Syllabus	The interview will be a detailed scientific discussion of the candidate's research project, his/her Curriculum and his/her qualifications/publications, the aim is also to ascertain the candidate has adequate knowledge to profitably deal with the studies in the chosen curriculum
Research Themes	The themes dealt with in the curriculum of the "Structures, Materials and Geotechnics" course are described in detail on the course web page: http://dottorato.dicca.unige.it/ita/stmatgeo
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. It is preferable for one of the referees to be a member of the curriculum (http://dottorato.dicca.unige.it/ita/index.html) with whom the research project has been agreed. These referees must however be university professors or experts in the subject. If the referee is an expert in the subject, his/her Curriculum Vitae and a list of pubblications are also required. It will be the referees' concern to send reference letters, within the deadline of the public notice, to the doctoral secretariat: dottorato.dicca@unige.it. The name, status and service place of the referees chosen by the candidates must be stated in their applications. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	http://dottorato.dicca.unige.it/ita/index.html
	dottorato.dicca@unige.it
	Prof. Roberta Massabò
	roberta.massabo@unige.it

Curriculum: WIND SCIENCE AND ENGINEERING (CODE 7081)

Coordinator: Busca Guido		
Department of Civil, Chemic	al and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale -	
DICCA)		
Places : 3 – Grants : 3 (*)		
(*) 3 grants funded by the EF	C AdG 2016 THUNDERR 741273 project, "Detection, simulation, modelling and loading of	
thunderstorm outflows to des	ign wind-safer and cost-efficient structures", the annual gross amount of the grant, including	
social security expenses to be	paid by the recipient, is € 16.500.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	2.7.2018 – 2.30 pm at the Department of Civil, Chemical and Environmental Engineering	
	(Dipartimento di Ingegneria civile, chimica e ambientale – DICCA), room A11, via	
	Montallegro I, Genova.	
	Should there has a high number of any didates the interviews will continue on the following	
	Should there be a high number of candidates, the interviews will continue on the following	
	day.	
	The interview may also take place electronically (e.g. Skyro yideo conference) on condidates!	
	request by contacting the doctoral secretarial staff (dottorate dicco@unice it) and Prof	
	Giuseppe Piccardo (giuseppe piccardo (Quinige it) within 30.6.2018. Candidates must have a	
	reliable Internet connection to allow for the test to be carried out	
Further information on	The application (curriculum) must contain a document stating the courses followed and marks	
how to present	obtained throughout the candidate's university career.	
qualifications/pubblications		
	Each candidate must develop a research project on one of the three themes referred to in the 3	
	grants.	
Exam Syllabus	The interview will be a detailed scientific discussion of the candidate's research project,	
	his/her Curriculum and his/her qualifications/publications, the aim is also to ascertain the	
	candidate has adequate knowledge to profitably deal with the studies in the chosen	
	curriculum.	
Research Themes	In general terms, the themes dealt with in the curriculum "Wind Science and Engineering"	
	course are described in detail on the course web page: <u>http://dottorato.dicca.unige.it/eng/siv/</u> .	
	In detail, each of the 3 grants deals with one of the following themes:	
	Grant No. 1: CFD simulation of downbursts.	
	Grant No. 2: Weather scenarios in which downbursts occur and damage survey.	
	Thunderstorm wind loading	
	Further information on each grant is available on the course web page.	
	http://dottorato_dicca_unige_it/eng/siv/	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must however be university professors or experts in the subject. If	
	the referee is an expert in the subject, his/her Curriculum Vitae and a list of pubblications are	
	also required. It will be the referees' concern to send reference letters, within the deadline of	
	the public notice, to the doctoral secretariat: <u>dottorato.dicca@unige.it.</u>	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
	Defense on letters that are not recented as recented will not be taken into a recidentian	
Familian I an ana ana	Reference letters that are not presented as requested will not be taken into consideration.	
Foreign Languages	Reference letters that are not presented as requested will not be taken into consideration. English	
Foreign Languages	Reference letters that are not presented as requested will not be taken into consideration. English	
Foreign Languages Further Information	Reference letters that are not presented as requested will not be taken into consideration. English http://dottorato.dicca.unige.it/ita/index.html	
Foreign Languages Further Information	Reference letters that are not presented as requested will not be taken into consideration. English <u>http://dottorato.dicca.unige.it/ita/index.html</u>	
Foreign Languages Further Information	Reference letters that are not presented as requested will not be taken into consideration. English http://dottorato.dicca.unige.it/ita/index.html dottorato.dicca@unige.it	
Foreign Languages Further Information	Reference letters that are not presented as requested will not be taken into consideration. English http://dottorato.dicca.unige.it/ita/index.html dottorato.dicca@unige.it	
Foreign Languages Further Information	Reference letters that are not presented as requested will not be taken into consideration. English <u>http://dottorato.dicca.unige.it/ita/index.html</u> dottorato.dicca@unige.it Prof. Giuseppe Piccardo	

Course in: MODELS, MACHINES AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND TRANSPORT

Curriculum: MACHINE AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND PROPULSION (CODE 7082)

Coordinator: Cionai Dabarta		
Coordinator: Clanci Roberto		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,		
energetica, gestionale e dei trasporti – DIME)		
Places: 5 – Grants : 4 (*)		
(*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.		
(*) 1 grant co-funded by MIU	R/DIME, the annual gross amount of the grant, including social security expenses to be paid by	
the recipient, is \notin 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Contact Prof. Andrea Cattanei, cattanei@unige.it	
how to present		
qualifications/pubblications		
Pasaarah Thomas	The research themes of the Curriculum concern the production of energy and aircraft	
Research Themes	propulsion. They are experimental numeric and theoretical and concern:	
	1. Turbo mediate experimental, numeric and uncertain and concern.	
	1. Turbo machine and combustors for the generation of energy and aneralt propulsion.	
	- now analysis in plant components and turbo machines;	
	- design of tractor and operating turbo machines;	
	- unsteady aerodynamics of burners for turbo gas plants;	
	- mechanisms generating aerodynamic noise in turbo machines;	
	 studio dei processi di combustione study of combustion processes. 	
	2. Internal combustion engines for automobile traction and marine propulsion:	
	- analysis of road vehicle emissions and models of the diffusion of pollutants in the	
	environment;	
	- study of the functional characteristics of the components of suction and exhaust	
	systems of engines for self traction;	
	- advanced air compressing systems for automobile applications;	
	- optimization of performance, consumption and polluting emissions of engines for	
	road traction	
	3 Systems for the generation of energy based on traditional primary and renewable	
	resources.	
	- analysis of the static and dynamic behaviour of energy nlants:	
	realisation of simulators in simulated and real time:	
	- realisation of simulators in simulated and real time,	
	- analysis and optimization of complex and innovative plants for the production of	
	energy.	
	The demonstration and the start links with the second start and the start of the st	
	The themes in question present important links with transport systems, with model features	
	linked to Mathematical Physics and Numerical processing, with the Controls and the handling	
	of signals.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator at the following address:	
	Prof. Andrea Cattanei	
	DIME	
	Via Montallegro 1	
	16145 Genova	
	cattanei@unige.it	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their annications	
Further Information	Further Information please contact the Coordinator of the Doctoral Course Drof Doberto	
r ui ther information	Cionai: rabarta aignai@uniga it ar Draf Andrea Cattanai actuaria course P101. Kobello	
	Clanci. <u>roberto.clanci@unige.it</u> , or Pior. Andrea Cattanei <u>@unige.it.</u>	

Course in: MODELS, MACHINES AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND TRANSPORT

Coordinator: Cianci Roberto	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,	
energetica, gestionale e dei trasporti – DIME)	
Places: 3 – Grants: 2 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS
procedure	
Further information on	Contact Prof. Roberto Cianci, <u>roberto.cianci@unige.it</u> .
how to present	
qualifications/pubblications	
Research Themes	 Continuous and discreet mathematical models of thermo fluid dynamics of energy systems; fluid mechanics and the relative equations. Problems concerning the acoustics and propagation of waves in fluid and solid mediums by means of "analogous instruments". Metamaterials. The Dirac field in interaction. Methods for the development and analysis of discreet and continuous models for the simulation of systems. Instruments and problems of numerical analysis; development of simulators and federations of simulators for complex systems. Definition of objectives, formalization, implementation solutions, integration, controls, approval, tests, accreditation and execution of real-time, fast-time and slow time models. Mathematical and physics models with finite and infinite degrees of liberty; theory of interacting fields. Geometric techniques and analysis. Diffusion problems and resolving techniques. Environmental issues concerning public safety in the fight against terrorism. Solid mechanics. Numerical control techniques. Development of aggregate and operative programming systems, implemented by means of instruments of finite capacity, with simulation techniques for discrete events. Excellent estimate of the state of linear and non-linear systems. Development and application of artificial intelligence. Supporting geometric methods for the development of simulators in virtual environments. Simulation applied to the logistics
	7 Simulation applied to the military sector, tactic and strategic
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator at the following address:
	Prof. Roberto Cianci
	DIVIE Via Opera Pia 15
	Genova
	roberto.cianci@unige.it
Tradica Liferen d'	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further Information	For further information please contact the Coordinator of the Doctoral Course Prof. Roberto Cianci: roberto.cianci@unige.it.

Curriculum: MATHEMATICAL ENGINEERING AND SIMULATION (CODE 7083)

Course in: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: ECONOMY AND MANAGEMENT (CODE 7088)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,		
energetica, gestionale e dei trasporti – DIME)		
Places: 1 – Grants: 1 (*)		
ity, the annual gross amount of the grant, including social security expenses to be paid by the		
.,,		
OUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
10.7.2019 10.00 am at the Department of Machanical Energetics. Management and		
Transport Engineering (Dinertimente di Ingegnerie messenice, energetice, gestionale e dei		
transport Engineering (Dipartimento di ingegneria ineccanica, energenca, gestionale e dei		
trasporti – DIME), MEC section, via Ali Opera Pia 15/a - 16145 Genova.		
Upon a motivated request, the interview may also take place electronically (Skype video		
conference) by getting in touch in time with the contact person for the curriculum Prof.		
Silvano Cincotti (<u>silvano.cincotti@unige.it</u>) and copy to the Coordinator of the Doctoral		
Course Prof. Luca A. Tagliafico (<u>tgl@ditec.unige.it</u>) specifying the candidate's name, Skype		
address and the curriculum he/she is referring to.		
Qualifications/publications must contain a detailed explanation and the planning of the		
development of a possible research project concerning one of the syllabuses of the field		
Economy and Management (EM.1, EM.2), in order to evaluate the candidate's ability to		
organize and carry out research. If admitted to the doctoral course, the candidate will carry out		
his/her activity within the syllabus chosen for his/her project, but not necessarily on specific		
activities described in the actual project. The research project (min 8 000 max 16 000 strokes		
including spaces and punctuation) must comprise.		
- the research title		
field state of the art and relative hibliographic references.		
objectives and expected results		
- objectives and expected results.		
In addition to the documentation that must be submitted by means of the online procedure, the		
fin addition to the documentation that must be submitted by means of the online procedure, the		
the title of the thesis dispertation of the Specialist/II level Degree/Master of		
- the title of the thesis dissertation of the Specialist/II level Degree/Master of		
Science/Master of Engineering together with a brief description (max. 4,000 strokes		
including spaces and punctuation);		
- a list of the exams done with the number of credits, marks and syllabuses (max 500		
strokes including spaces and punctuation for each course);		
- any other qualifications/publications relevant to the application and scientific activity		
carried out;		
- a letter that states aptitude motivations and the advancement expectations of the candidate		
which prompted the application.		
The interview will be a discussion of the research project and qualifications/publications		
presented.		
The Economy and Management syllabus (EM) aims at developing quantitative and		
computational approaches in finance and economics. Two main research themes with the		
corresponding syllabuses have been singled out for this EM syllabus.		
1 EM 1 Specialization Agent-based Computational Economics		
This syllabus focuses mainly on the use of agent technologies and methodologies for		
the study of economics and finance a bottom-up approach that allows for the study		
of regularities emerging in the economy as a result of the behaviour and interactions		
of aconomic agents in artificial economic systems and which adapts better with		
respect to traditional dynamic stochastic models, to the development of a realistic		
respect to traditional dynamic stochastic models, to the development of a realistic		
representation of the economy. The EW. I specialization develops skins that can be		
applied directly to the mancial industry, to government and international		
organizations and to the academic world.		
2. EM.2 Specialization Financial Engineering.		
This syllabus focuses on computational econometrics, on data mining, on automated learning		
and on dynamic stochastic models of financial and economic data, the objective of which is to		
study the pricing of derivatives and financial assets, as well as risk management, in a non-		
Gaussian environment and in the presence of extreme events. Furthermore, the syllabus		
includes innovative themes relative to the management of shares portfolios, such as pair		
trading and statistical arbitrage, as well as the emerging theme of high frequency automated		

	trading. The EM.2 specialization develops skills that naturally give access to work
	opportunities both in the financial and academic fields.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator Prof. Luca A. Tagliafico at the following address <u>tgl@ditec.unige.it</u> and to the
	contact person for the curriculum EG, Prof. Silvano Cincotti, at <u>silvano.cincotti@unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
Fourier Longueges	English
Foreign Languages	
Further Information	Coordinator of the MEME Doctoral Course:
	Prof. Luca A. Tagliafico
	DIME/TEC
	via all'Opera Pia 15/A
	16145 Genova
	(+39) 0103532880
	tgl@ditec.unige.it
	Contact person for the EM curriculum:
	Prof. Silvano Cincotti
	DIME/Sezione MIG
	via all'Opera Pia 15
	16145 Genova
	(+39) 0103532080
	silvano.cincotti@unige.it

Course in: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: TECHNICAL PHYSICS (CODE 7086)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,		
energetica, gestionale e dei trasporti – DIME)		
Places: 1 – Grants: 1 (*)		
(*) I grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
Comparative assessment	OUALIEICATIONS/DUBLICATIONS AND INTEDVIEW	
comparative assessment	QUALIFICATIONS/FUBLICATIONS AND INTERVIEW	
Interview	10.72018 - 10.00 am at the Department of Mechanical Energetics Management and	
Inter view	Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e dei	
	trasporti – DIME). MEC section. Via All'Opera Pia 15/a - 16145 Genova.	
	Upon a motivated request, the interview may also take place electronically (Skype video	
	conference) by getting in touch in time with the contact person for the curriculum Prof.	
	Francesco Devia, (francesco.devia@unige.it)and copy to the Coordinator of the Doctoral	
	Course Prof. Luca A. Tagliafico (tgl@ditec.unige.it) specifying the candidate's name, Skype	
	address and the curriculum he/she is referring to (TP).	
Further information on	The qualifications/publications must contain a detailed explanation and the development plan	
how to present	of a possible research project, quoting the Technical Physics (TP) syllabus, and the field $(TD 1, TD 2)$ or $TD 2$ it refers to in order to conclust the conditional details chility to expension and	
quantications/pubblications	(1F.1. 1F.2 of 1F.3) it fefers to, in order to evaluate the candidate's ability to organize and carry out research	
	If admitted to the doctoral course, the candidate will generally carry out his/her activity within	
	the syllabus chosen for his/her project, but not necessarily on the specific activities described	
	and planned in the actual project.	
Exam Syllabus	The interview will be a discussion of the research project and qualifications/publications	
	presented and on the correlated themes of the TP curriculum.	
Research Themes	The TP syllabus – Technical Physics – of the MEME Doctoral Course resumes the historical	
	course of the Doctoral Courses in Technical Physics (first year of activation 1992).	
	It's objective is to train young researchers capable of developping theoretical experimental	
	research in the thermodynamic, thermofluid dynamic and transmission of heat sectors; of	
	dealing with research in the energy sector, by means of a suitable methodological approach to the thermodynamic issue: of analysing thermal acoustic and lighting phenomena which	
	concur in defining both the conditions of environmental well-being of environmental impact	
	and consequent control possibilities	
	The TP curriculum develops research within the following fields:	
	TP.1 Physics of buildings and environmental control	
	- Components, heating and air-conditioning plants	
	 Physics of buildings and environmental control 	
	- Lighting techniques and applied acoustics.	
	The thematics are developped according to the traditional approach of Environmental	
	Technical Physics.	
	TP 2 Energetics and Applied Thermofluid dynamics	
	- Thermodynamic analysis of energy systems	
	- Energy sources, vectors and rational consumption of energy	
	- Environmental impact of energy systems	
	- Single and multiphase thermofluid dynamics. Thermophysical properties of	
	materials. Techniques to increase the efficacy of energy processes and thermofluid	
	dynamic exchange mechanisms.	
	The thematics are developped according to the traditional approach of Industrial	
	Technical Physics.	
	TP 3 Nuclear Plants	
	The thematics which characterise Nuclear Plants within the limits of the available	
	sources, are added to the first two fields, for the innovative application of the functioning	
	principles of nuclear fission plants for the production of electricity and hydrogen and the	
	solution to advanced thermohydraulic problems of the core of thermal and fast fission	
	reactors.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	

	be their concern to send reference letters, within the deadline of the public notice, to the contact person for the TP curriculum, Prof. Francesco Devia, at the following address <u>francesco.devia@unige.it</u> and copy to the IMEG Coordinator, Prof. Luca A. Tagliafico, at <u>tgl@ditec.unige.it</u> . The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Coordinator of the Doctoral Course Prof. Luca A. Tagliafico DIME/TEC via all'Opera Pia 15/A 16145 Genova (+39) 0103532880 tgl@ditec.unige.it
	Contact person for the TP curriculum: Prof. Francesco Devia DIME/TEC via all'Opera Pia 15/A 16145 Genova (+39) 0103532309 <u>francesco.devia@unige.it</u>

Curriculum: MECHANICS, MEASUREMENTS AND MATERIALS (CODE 7085)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,		
energetica, gestionale e dei tra	asporti – DIME)	
Places: 1 – Grants: 1 (*)		
(*) 1 grant co-funded by MIU. the recipient is \notin 15 343 28	R/DIME, the annual gross amount of the grant, including social security expenses to be paid by	
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	10.7.2018 - 10.00 am at the Department of Mechanical, Energetics, Management and	
	Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e dei	
	trasporti – DIME), MEC section, Via All'Opera Pia 15/a - 16145 Genova.	
	Upon a motivated request, the interview may also take place electronically (Skype video	
	conference) by getting in touch in time with the contact person for the curriculum Prof.	
	Giovanni Berselli, (giovanni.berselli@unige.it) and copy to the Coordinator of the Doctoral	
	Course Prof. Luca A. Tagliafico (tgl@ditec.unige.it) specifying the candidate's name, Skype	
	address and the curriculum he/she is referring to.	
Further information on	The qualifications/publications must contain a detailed explanation and the development plan	
how to present	of a possible research project, quoting the Mechanics, Measurements and Materials (MMM)	
qualifications/pubblications	syllabus, and the field it refers to, in order to evaluate the candidate's ability to organize and	
	carry out research.	
	the syllabus chosen for his/her project, but not necessarily on the specific activities described	
	and planned in the actual project. But not necessarily on the specific activities described	
Exam Syllabus	The interview will be a discussion of the research project and qualifications/publications	
	presented and on the correlated themes which feature in the MMM curriculum.	
Research Themes	The Mechanics, Measurements and Materials (MMM) syllabus focuses on research themes	
	typical of the Macrosectors it refers to. In particular the research themes suggested concern	
	the functional and constructive design sector, CAD, CAE, PLM, PDM, additive	
	manufacturing (polymer-based metals and composites metalli) (machine and material methods	
	in combination), the mechanic behaviour of materials, materials and implants for medical,	
	industrial and marine use, calculus modelling and applications of composite components also	
	for orthotics and biomedical applications, environmental compatibility and recycling,	
	mechanical and mechatronic systems, motor vehicles, railway vehicles, airplanes, mechanical	
	automation, working, raising and transport systems, lubrification, vibrations and noise, sound	
	quality, experimental methods, diagnostics and qualifying of machines and components,	
Information on notanonas	Condidetes must choose not less then one and not more than three reference to support their	
information on references	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice to the	
	Coordinator Prof Luca Antonio Tagliafico at the following address tol@ditec unige it and to	
	the contact person for the MMM curriculum Prof Giovanni Berselli at	
	giovanni.berselli@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	Coordinator of the Doctoral Course	
	Prof. Luca Antonio Tagliafico	
	DIME/TEC	
	via all'Opera Pia 15/A	
	16145 Genova	
	(+39) 0103532880	
	tgl@ditec.unige.it	
	Contact person for the MMM Curriculum	
	Prof. Giovanni Berselli	
	DIME/MEC	
	via all'Opera Pia 15/A	

16145 Genova
(+39) 0103532839
giovanni.berselli@unige.it

Curriculum: ROBOTICS AND MECHATRONICS (7141)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,		
energetica, gestionale e dei trasporti – DIME)		
Places: 1 – Grants: 1 (*)		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	10.7.2018 - 10.00 am at the Department of Mechanical, Energetics, Management and	
	Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e dei	
	trasporti – DIME), MEC section, Via All'Opera Pia 15/a - 16145 Genova.	
	Upon a motivated request, the interview may also take place electronically (Skype video	
	conference) by getting in touch in time with the contact person for the curriculum Prof.	
	Matteo Zoppi (<u>matteo.zoppi(dunige.it</u>) and copy to the Coordinator of the Doctoral Course	
	Prof. Luca A. Tagnanco (<u>lgna/dnec.unige.n</u>) specifying the candidate's name, Skype address	
Eurthon information on	The qualifications/publications must contain a detailed explanation and the development plan	
how to present	of a possible research project, quoting the Robotics and Mechatronics (RM) syllabus, and the	
auglifications/nubblications	field it refers to in order to evaluate the candidate's ability to organize and carry out research	
quanneations/pubblications	If admitted to the doctoral course, the candidate will generally carry out his/her activity within	
	the syllabus chosen for his/her project, but not necessarily on the specific activities described	
	and planned in the actual project.	
Exam Syllabus	The interview will be a discussion of the research project and gualifications/publications	
<i>.</i>	presented and on the correlated themes which feature in the RM curriculum.	
Research Themes	The Robotics and Mechatronics (RM) syllabus focuses on research themes typical of the	
	Macrosectors it refers to. In particular the research themes suggested concern the development	
	of robot and manipulation, switch systems, home automation (domotics), remote	
	manipulation, modular robots and robots for safety, intelligent mini-vehicles, assembly	
	systems, fluid automation; models and simulation of systems for robotics and mechatronics,	
	man-machine interaction, collaborative robotics, cooperative robotics, robot programming,	
	integration of robotic systems, mechatronics for the automatic machine sectors and for the	
	mechanical and marine mechanical industry.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	the contact person for the PM curriculum Prof. Mettee Zonni at mettee Zonni (Junice it	
	the contact person for the Kivi curriculum, Ffor. Matteo Zoppi, at <u>matteo.zoppi@umge.it</u> .	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their applications	
Foreign Languages	English	
Further Information	Coordinator of the Doctoral Course	
	Prof. Luca Antonio Tagliafico	
	DIME/TEC	
	Via ali Opera Pia 15/A	
	(+30) 0103532880	
	tal@ditec.unige.it	
	<u>ight/ditec.unige.n</u>	
	Contact person for the RM Curriculum	
	Prof Matteo Zoppi	
	DIME/MEC	
	via all'Opera Pia 15/A	
	16145 Genova	
	(+39) 0103532964	
	matteo.zoppi@unige.it	

Course in: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: TECHNOLOGIES AND PLANTS (CODE 7087)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, I	Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica,	
energetica, gestionale e dei tra	isporti – DIME)	
Places: 1 – Grants: 0		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	The qualifications/publications must contain a detailed explanation and the development plan	
how to present	of a possible research project, quoting the Technologies and Plants (TP) syllabus, and the field	
quanneations/pubblications	(1P.1 of 1P.2) It felets to, in order to evaluate the candidate sublinity to organize and carry out his/her	
	activity within the syllabus chosen for his/her project, but not necessarily on the specific	
	activities described in the actual project	
Research Themes	The Technologies and Plants (TP) syllabus focuses on research themes typical of the	
itestaren inemes	macrosectors it refers to. It is organized into two specializations:	
	TP.1 Processing Technologies and Systems Specialization:	
	- Analysis of the variables that influence the mecchanical and micro-structural	
	characteristics of welded joints implemented with traditional and innovative	
	techniques.	
	- Study of the potential of robotic welding plants.	
	- Singling out of solutions that allow the obtaining of glued joints with adequate	
	characteristics (study of the surface preparation methods, analysis of the behaviour of	
	adhesives in different environmental conditions).	
	- Study of the problems concerning the fine tuning and monitoring of the processing of	
	metallic and non-metallic materials.	
	- Study and singling out of construction techniques of moulds for polymetric materials.	
	finishing and chemical reactivity	
	mismig and chemical reactivity.	
	TP.2 Industrial Plants Specialization:	
	- Design and management of production processes.	
	- Technical and economic assessments of Engineering and industrialization of new	
	products and production cycles.	
	- Industrial sustainability, quality, safety, remanufacturing, demanufacturing.	
	- Manufacturing strategies: Lean Manufacturing, World Class Manufacturing, Agile	
	Manufacturing.	
	- Industrial logistics.	
	- Life Cycle Assessment of plants and processes.	
	- Key enabling technology 4.0 for production and industrial plants: simulation, 101,	
	augmented and virtual realities, manufacturing analytics.	
	The activities that will be carried out within the doctoral course aim at training young	
	researchers to be capable of developing theoretical and experimental research starting from	
	the analysis of the state of the art and autonomously developing innovative solutions.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator, Prof. Luca A. Tagliafico, at the following address tgl@ditec.unige.it and to the	
	contact person for the TI curriculum, Prof. Carla Gambaro, at gambaro@diptem.unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in	
Foreign Languages	English	
Further Information	Coordinator of the Doctoral Course:	
	Prof. Luca A. Tagliafico	
	DIME/TEC	
	via all'Opera Pia 15/A	
	16145 Genova	
	(+39) 0103532880	

tgl@ditec.unige.it
Contact person for the TP curriculum:
Prof. Carla Gambaro
DIME/MIG
via all'Opera Pia 15
16145 Genova
(+39) 0103532889
gambaro@diptem.unige.it

Course in: JOINT DOCTORATE IN INTERACTIVE AND COGNITIVE ENVIRONMENTS (JD ICE) Doctoral Course in agreement with the Queen Mary University of London. An agreement is being drawn up with the Universidad Carlos III de Madrid

Curriculum: INTERACTIVE AND COGNITIVE ENVIRONMENTS (CODE 7089)

Coordinator: Regazzoni Carlo		
Department of Marine Electrical Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale		
elettrica elettronica e delle telecomunicazioni – DITEN)		
$\frac{\text{Discost} 2 - Croats}{2} $		
(*) 2 grants from the Universe	ity the annual gross amount of the grant including social security expenses to be paid by the	
() 2 grants from the Onivers	ity, the annual gross amount of the grant, meruding social security expenses to be paid by the	
2 additional places with a gray	at will be appounded by the Queen Mary University of London (OMUL)	
Information on how to apply	and the relative public notice even will be publiched at the link http://phd.idice.diten.unice.it/	
Thus, there are overall 4 place	and the relative public notice exam will be published at the link <u>http://pid-jdice.uiteli.uilige.iv</u> .	
At the and of the course a join	es available for this course, 4 of which with a grant.	
At the end of the course a join	I quantication will be awarded with the Queen Mary University of London.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	13.7.2018 - 3.00 pm at the Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni – DITEN), via Opera Pia 11, Genova.	
	The interviews may also take place electronically with a Skype connection, video included to check identity, on request to the Coordinator of the Doctoral Course, Prof. Carlo Regazzoni, via email <u>carlo.regazzoni@unige.it</u> and to <u>icephd@dibe.unige.it</u> , adding one's Skype account in the request.	
	During the interview the candidate's knowledge of English will be tested. In order to be admitted to the interview, the candidate must exhibit the same identity document attached to the application, s/he may also show another valid identity document where s/he can be clearly identified.	
how to present qualifications/pubblications	a) curriculum vitae et studiorum correctly dated and signed. The CV shall include all the significant information relative to the research themes of the doctoral course for which the candidate is applying. This information should highlight: title of the dissertation of the specialist degree and a synthetic description of it, the list of exams carried out and the relative marks, previous research carried out and/or work experience, any other qualifications obtained, certifications, publications, patents, etc.;	
	not obtained their degrees in Italy or the UK shall present the documentation of the qualification translated into English and a declaration of worth; c) a presentation of the Institute that awarded the qualification, containing a description of the selection methods, international and national ranking, typologies of the qualifications awarded, teaching languages, internet site (etc.) (max. 15 lines); d) if the candidate is not mother tongue English s/he shall present a certificate attesting his/her knowledge of English (e.g. IELTS min: 6.5) obtained in the last three year starting from the date of the application; e) a signed motivational letter containing a chosen research project and the reasons for the choice (max. 10 pages). It is important to highlight when presenting the research project, because they will be used as evaluative parametres, the following aspects: relevance to the research themes that appear in the public notice, originality, execution modality, feasibility, clarity of exposition.	
	 An example of an outline on how to present one's research project, which should not exceed 10 pages, is the following: Motivations and logic foundation. State of the art. Objectives. Methodology used. Preliminary workplan. Expected results. Bibliography. 	
Exam Syllabus	The interview will consist in the illustration of the candidate's research activities in his/her field of interest also taking into consideration previous research work mentioned in the	
	candidate's curriculum vitae et studiorum.	

	During the interview, the examining commission will assess the candidate's competences in
	to me specific research memes.
Research Themes	1) Transfer learning of decision capabilities between human drivers and autonomous vehicles.
	2) Collective distributed self-awareness and transfer learning connected teams of aerial and
	terrestrial autonomous systems.
	3) Internet of Things self-awareness based solutions for cooperating aerial and terrestrial
	autonomous vehicles networks.
	4) Probabilistic graphical models and deep neural networks for very high-resolution remote
	sensing image interpretation
	S) Satallita Nativarka in the SC Easystem
	5) Satellite Vetworks in the 50 Ecosystem.
	b) Security issues over telecommunications networks over smart cities/smart industries.
	/) Behaviour-based malware detection by machine-learning algorithms.
	8) Cells illuminated by electromagnetic radiation in the near-infrared band: modelling,
	simulation and analysis of their reactions.
	9) Big-data techniques for crowd behaviour analysis in smart environments.
	10) Automatic learning of dynamic jamming models for physical layer security in Cognitive
	Radios.
	11) A machine learning approach for interaction detection in egocentric videos.
	12) Embedding Machine Learning in IoT devices: leveraging on approximate computing
	techniques to reduce the computing hardware resources without notably affecting the quality
	(i.e. accuracy) of results
	(i.e. accuracy) of results.
	13) whereas sensor networks for Environmental Monitoring.
	14) Energy harvesting Techniques for Wireless Sensor Networks.
	15) 5th-generation mobile radio networks (5G): topics in network virtualization, dynamic
	allocation of physical and virtual resources, Mobile Edge Computing (MEC), and security.
	16) Intelligent framework for Text Mining and Sentiment Analysis.
	17) Computing architectures for the Internet-of-Things: from the Cloud to the Edge.
	Applications in games, education, autonomous vehicles, health.
	18) Domain-Specific Architecture (DSA) on FPGA for AI and new generation Neural
	Networks Applications in games education autonomous vehicles health
	retworks. Approximers in games, education, autonomous venteres, neutri.
	Eurther details on gracific themes are available on the wahrite http://phd.idice.diten.upige.it/
Information on metanon and	Further details on specific themes are available on the website <u>http://pid-jdice.diten.diige.tv</u> .
information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator at the following address:: <u>carlo.regazzoni@unige.it</u> ro <u>icephd@dibe.unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
	The candidates' aptitude for scientific research should should clearly transpire from the
	reference letters.
Foreign Languages	English
Further Information	The Doctoral Course in Interactive and Cognitive Environment belongs to the JOINT
	Doctorate typology and is organised and coordinated according to the agreement entered into
	"COLLABORATION AGREEMENT BETWEEN OUEEN MARY UNIVERSITY OF
	LONDON AND UNIVERSITA DEGLI STUDI DI CENOVA" ourrantly baing rangyad Tha
	agreement envicence a joint model of exercises of the destarts of condidets surreminister
	agreement envisages a joint model of coordination of the doctorate, of candidate supervision
	and mobility. In agreement with what has been stated herein, each winning candidate will be
	assigned two supervisors, one for each university partner. Candidates who participate in the
	public notice announced by the University of Genova and who win, and who therefore will
	have as Primary Institution the UNIGE, will be assigned as Primary Supervisor a UNIGE
	professor and as Secondary Supervisor a QMUL professor. At the end of the doctorate, those
	who will have passed the final dissertation successfully, will receive a JOINT qualification
	signed by both Partner Universities.
	, , , , , , , , , , , , , , , , , , ,
	Further information at: http://phd-idice.diten.unige.it/.

Course in: JOINT DOCTORATE IN INTERACTIVE AND COGNITIVE ENVIRONMENTS (JD ICE) Doctoral Course in agreement with the Queen Mary University of London and the Universidad Carlos III de Madrid. The agreement is being drawn up with the Universidad Carlos III de Madrid

Curriculum: SELF-AWARE AUTONOMOUS SYSTEMS (7142)

Coordinator: Regazzoni Carlo		
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,		
elettrica, elettronica e delle telecomunicazioni – DITEN)		
Places : 1 – Grants : 1 (*).		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 16.500,00.		
1 additional place with a gran	it will be announced by the Universidad Carlos III de Madrid (UC3M) should the outcome of	
the agreement be successful.		
Information on how to apply a	and the relative public notice exam will be published at the link <u>http://phd-jdice.diten.unige.it/</u> .	
Thus, there are overall 2 place	s available for this course, 2 of which with a grant.	
At the end of the course a join	t qualification will be awarded with the Universidad Carlos III de Madrid.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure Internier	12.7.2018 2.00 nm computer interview (via Strupe) or in person at the Department of	
Interview	Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni – DITEN), via Opera Pia 11, Genova.	
	The interviews may also take place electronically with a Skype connection, video included to check identity, on request to the Coordinator of the Doctoral Course, Prof. Carlo Regazzoni, via email <u>carlo.regazzoni@unige.it</u> and to <u>icephd@dibe.unige.it</u> , adding one's Skype account in the request.	
	During the interview the candidate's knowledge of English will be tested. In order to be admitted to the interview, the candidate must exhibit the same identity document attached to the application, s/he may also show	
Further information on	The application shall contain:	
how to present	a) curriculum vitae et studiorum correctly dated and signed. The CV shall include all the	
qualifications/pubblications	significant information relative to the research themes of the doctoral course for which the	
	candidate is applying. This information should highlight: title of the dissertation of the	
	specialist degree and a synthetic description of it, the list of exams carried out and the relative	
	marks, previous research carried out and/or work experience, any other qualifications	
	obtained, certifications, publications, patents, etc.,	
	b) the degree diploma certificate (three and five-year degree course). Candidates who have	
	not obtained their degrees in fairy of the UK shall present the documentation of the qualification translated into English and a declaration of worth:	
	c) a presentation of the Institute that awarded the qualification containing a description of the	
	selection methods international and national ranking typologies of the qualifications	
	awarded, teaching languages, internet site (etc.) (max, 15 lines):	
	d) if the candidate is not mother tongue English s/he shall present a certificate attesting	
	his/her knowledge of English (e.g. IELTS min: 6.5) obtained in the last three year starting	
	from the date of the application;	
	e) a signed motivational letter containing a chosen research project and the reasons for the	
	choice (max. 10 pages).	
	It is important to highlight when presenting the research project, because they will be used as	
	evaluative parametres, the following aspects: relevance to the research themes that appear in	
	the public notice, originality, execution modality, feasibility, clarity of exposition.	
	An example of an outline on now to present one's research project, which should not exceed	
	- Mativations and logic foundation	
	- State of the art	
	- Objectives.	
	- Methodology used.	
	- Preliminary workplan.	
	- Expected results.	
	- Bibliography.	
Exam Syllabus	The interview will consist in the illustration of the candidate's research activities in his/her	

	field of interest, also taking into consideration previous research work mentioned in the
	candidate's curriculum vitae et studiorum.
	During the interview, the examining commission will assess the candidate's competences in
Research Themes	1) Transfer learning of decision canabilities between human drivers and autonomous vehicles
	2) Collective distributed self-awareness and transfer learning connected teams of aerial and
	terrestrial autonomous systems.
	3) Internet of Things self-awareness based solutions for cooperating aerial and terrestrial
	autonomous vehicles networks.
	4) Probabilistic graphical models and deep neural networks for very high-resolution remote
	sensing image interpretation.
	5) Satellite Networks III the 50 Ecosystem. 6) Security issues over telecommunications networks over smart cities/smart industries
	7) Behaviour-based malware detection by machine-learning algorithms
	8) Cells illuminated by electromagnetic radiation in the near-infrared band: modelling,
	simulation and analysis of their reactions.
	9) Big-data techniques for crowd behaviour analysis in smart environments.
	10) Automatic learning of dynamic jamming models for physical layer security in Cognitive
	Radios.
	11) A machine learning approach for interaction detection in egocentric videos.
	techniques to reduce the computing hardware resources without notably affecting the quality
	(i.e. accuracy) of results.
	13) Wireless Sensor Networks for Environmental Monitoring.
	14) Energy harvesting Techniques for Wireless Sensor Networks.
	15) 5 th -generation mobile radio networks (5G): topics in network virtualization, dynamic
	allocation of physical and virtual resources, Mobile Edge Computing (MEC), and security.
	16) Intelligent framework for Text Mining and Sentiment Analysis.
	Applications in games education autonomous vehicles health
	18) Domain-Specific Architecture (DSA) on FPGA for AI and new generation Neural
	Networks. Applications in games, education, autonomous vehicles, health.
	Further details on specific themes are available on the website http://phd-jdice.diten.unige.it/.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	Coordinator at the following address: carlo regazzoni@unige it or icephd@dibe unige it
	coordinator at the following address: <u>carloiregazzon(duringent</u> of <u>reepind(durbe) unigent</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
	The candidates' aptitude for scientific research should should clearly transpire from the
	reference letters.
Foreign Languages	English The Destern Course in Interactive and Cognitive Environment belongs to the IOINT
Further Information	Doctorate typology and is organised and coordinated according to the agreement entered into
	"Collaboration agreement between Universidad Carlos III de Madrid and Università degli
	Studi di Genova" which is currently being finalised by the two universities, partners in the
	project: the Università degli Studi di Genova (UNIGE) and the Universitdad Carlos III de
	Madrid (UC3M). The agreement envisages a joint model of coordination of the doctoral
	course, of candidate supervision and mobility. In agreement with what has been stated herein,
	each winning candidate will be assigned two supervisors, one for each university partner.
	who win and who therefore will have as Primary Institution the UNIGE will be assigned as
	Primary Supervisor a UNIGE professor and as Secondary Supervisor a UC3M professor At
	the end of the doctorate, those who will have passed the final dissertation successfully. will
	receive a JOINT qualification signed by both Partner Universities.
	Further information at: <u>http://phd-jdice.diten.unige.it/</u> .

Curriculum: CLASSICAL PHILOLOGY (CODE 7094)

Coordinator: Verdino Stefano Fernando	
Department of Italian and	Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di
Italianistica, romanistica, anti-	chistica, arti e spettacolo – DIRAAS)
Places: 7 – Grants: 5 (*).	
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
The number of grants (5) and that of places without grant (2) refers to the doctoral research course in its entirety and not to	
the single curriculum.	
The merit list, of the written test and the final list are one and the same for the entire doctoral course and not the single	
curricula.	
candidates enrolled in more t	nan one curriculum and who have been admitted to the written test may choose which exam to
Sit on the day of the exam.	OUALIEICATIONS/DUDLICATIONS AND EXAM
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
Written Test	12.7.2018 12.00 peop Aule 6 (Ream 6) Ground Fleer vie Balbi 2 Geneve
written rest	17.7.2018 – 12.00 hooli Auta 0 (Roolil 0), Ground Floor, via Baloi 2, Genova.
Interview	17.7.2018 – 9.30 and at the Library of the Department of Italian and Romanice languages, Classical Studies. The Arts and Performing Arts (Dipartimento di Italianistica, romanistica)
	entichistica, arti e spettacolo - DIRAAS) Fourth Floor, via Balbi 2, Genova
Further information on	The 5-year degree dissertation (even if it has not yet been discussed) and any other
how to present	nublications shall be sent in PDF format to Prof. Walter Lanini w lan@libero it
qualifications/pubblications	pronoutions shall be sent in FDF format to Ffor. Watter Euplin whip who form.
Exam Syllabus	The written test will consist in a translation from Latin or Greek (the candidate may choose)
	with a philological and exceptical commentary.
	The oral test will be an interview during which the candidate will present his/her research
	project and a discussion of the written test.
	1 5
	Candidates must attach their research project to their applications.
	The Teaching Body of the course proposes to direct the graduate student towards a project
	that it deems more suitable for his/her abilities and skills, as well as being more congruent
	with the research lines of the Doctoral course.
Research Themes	- Philology and Greek Literature;
	- Philology and Latin Literature;
	- Philology and Byzantine Literature;
	- Tradition and fortune of the ancient christian text.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	following email address: <u>anna.maria.marzocchi(a)unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
Fourier Lourseau	Literi applications.
Foreign Languages	During the oral test, for at least two of the abovementioned languages, candidates will have to
	show sufficient knowledge to translate a passage of a scientific publication
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the
	written test. It will take into account curriculum studiorum qualifications, publications, the
	thesis of the five-year degree and the research project
	thesis of the five your defice and the resource project.
	The classificational list of those admitted to the written test will be published on the DIRAAS
	website by the 6.7.2018.

Curriculum: PHILOLOGY AND LINGUISTICS OF ITALIAN AND ROMANCE TEXTS (CODE 7091)

Coordinator: Verdino Stefano Fernando	
Department of Italian and	Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di
Italianistica, romanistica, anti-	chistica, arti e spettacolo – DIRAAS)
Places : 7 – Grants : 5 (*).	
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
The number of grants (5) and	that of places without grant (2) refers to the doctoral research course in its entirety and not to
the single curriculum.	
The merit list, of the written	test and the final list are one and the same for the entire doctoral course and not the single
which even to sit on the day	of the even
Comparative assessment	OLIALIEICATIONS/DUBLICATIONS AND EXAM
procedure	QUALIFICATIONS/I UDLICATIONS AND EXAM
Written Test	12.7.2018 – 12.00 noon Aula 6 (Room 6). Ground Floor, via Balbi 2. Genova
Interview	17.72018 = 9.30 am at the Library of the Department of Italian and Romance languages
	Classical Studies, The Arts and Performing Arts (Dipartimento di Italianistica, romanistica, antichistica arti e spettacolo - DIRAAS) Fourth Floor via Balbi 2 Genova
Further information on	The 5-year degree dissertation (even if it has not vet been discussed) and any other
how to present	publications shall be sent in PDF format to Prof. Marco Berisso: <u>mberisso@unige.it</u> .
qualifications/pubblications	
Exam Syllabus	Written test:
	Comment and illustration (and possible translation) of a text in verse or prose;
	i.e.:
	Discussion of a theoretical or critical text concerning one of the following subject fields:
	Italian philology, Italian linguistics, history of the Italian language, Romance philology and
	linguistics.
	Oral tast
	Discussion of the written test and of the candidate's research project, which s/he must attach
	to the application
	The Teaching Body of the course proposes to direct the graduate student towards a project
	that it deems more suitable for his/her abilities and skills, as well as being more congruent
	with the research lines of the Doctoral course.
Research Themes	- Critical and commented editions of Italian literature texts (from the origins to the present
	day).
	- Philology and criticism of Romance texts.
	- Italian lexicology and lexicography.
	- Comedy, satire, parody: medieval and modern themes and practices.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university preference or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice to the
	following email address: anna maria marzocchi@unige it
	innowing email address: <u>anna.mara.marzocenne.unige.n</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	The translation of a passage from English or French will also be requested during the
	interview.
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the
	written test. It will take into account curriculum studiorum, qualifications, publications, the
	thesis of the five-year degree and the research project.
	I ne classificational list of those admitted to the written test will be published on the DIRAAS
	website by the 0.7.2018.

Curriculum: ITALIAN LITERATURE: TEXTUAL TRADITIONS AND INTERPRETATIONS (CODE 7090)

Coordinator: Verdino Stefano Fernando	
Department of Italian and	Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di
Italianistica, romanistica, anti-	chistica, arti e spettacolo – DIRAAS)
Places : 7 – Grants : 5 (*).	
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
The number of grants (5) and	that of places without grant (2) refers to the doctoral research course in its entirety and not to
the single curriculum.	
The merit list, of the written	test and the final list are one and the same for the entire doctoral course and not the single
curricula. Candidates enrolle	d in more than one curriculum and who have been admitted to the written test may choose
which exam to sit on the day	of the exam.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	12.7.2018 – 12.00 noon Aula 6 (Room 6), Ground Floor, via Balbi 2, Genova.
Interview	17.7.2018 - 9.30 am at the Library of the Department of Italian and Romance languages,
	Classical Studies, The Arts and Perfoming Arts (Dipartimento di Italianistica, romanistica,
	antichistica, arti e spettacolo - DIRAAS), Fourth Floor, via Balbi 2, Genova.
Further information on	The 5-year degree dissertation (even if it has not yet been discussed) and any other
how to present	publications shall be sent in PDF format to Prof. Simona Morando:
qualifications/pubblications	simona.morando@unige.it.
Exam Syllabus	Written test:
	Historical and literary comment and illustration of a text in verse or prose concerning one of
	the following subject fields:
	- Italian literature;
	- modern and contemporary Italian literature;
	- literary theory;
	- history of Italian literary criticism;
	- Italian theatre literature.
	Oral test:
	Discussion of the written test and of the candidate's research project, which s/he must attach
	to the application.
	The Teaching Body of the course proposes to direct the graduate student towards a project
	that it deems more suitable for his/her abilities and skills, as well as being more congruent
	with the research lines of the Doctoral course.
Research Themes	- Critical and commented editions of Italian literature texts (from the origins to the present
	(day).
	- Intertextual and Intercultural research themes, from the origins of the vulgar interatures to
	contemporary namen merature.
	a) Lighthan workshop from the Sixteenth to the 1 wentieth Century
	a) The Disorgimento
	- Authorial Documents in Liguria
	- Italian literature and journalism
	- Italian literature and History of the Theatre
	- Italian literature and History of Music
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	following email address: anna.maria.marzocchi@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	The translation of a passage from English or French will also be requested during the
6 6 6	interview.
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the
	written test. It will take into account curriculum studiorum, qualifications, publications, the
	thesis of the five-year degree and the research project.
	The classificational list of those admitted to the written test will be published on the DIRAAS
	website by the 6.7.2018.

Curriculum: ANGLO-GERMAN LITERATURES (CODE 7092)

Coordinator: Verdino Stefano Fernando	
Department of Italian and	Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di
Italianistica, romanistica, antie	chistica, arti e spettacolo – DIRAAS)
Places : 7 – Grants : 5 (*).	
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
The number of grants (5) and	that of places without grant (2) refers to the doctoral research course in its entirety and not to
the single curriculum.	
The merit list, of the written	test and the final list are one and the same for the entire doctoral course and not the single
curricula. Candidates enrolled	d in more than one curriculum and who have been admitted to the written test may choose
which exam to sit on the day of	of the exam.
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	<pre></pre>
Written Test	12.7.2018 – 12.00 noon Aula 6 (Room 6), Ground Floor, via Balbi 2, Genova.
Interview	17.7.2018 - 9.30 am at the Library of the Department of Italian and Romance languages
Inter view	Classical Studies The Arts and Performing Arts (Dipartimento di Italianistica, romanistica)
	antichistica, arti a gnattagolo. DIPAAS) Fourth Floor, via Bolhi 2, Ganova
Further information on	The 5 year degree discortation (even if it has not yet been discussed) and any other
how to present	nublications shall be sent in DDE format to Drof Domanico Lavassici
now to present	domenico lovascio quinica it
quanneations/pubblications	
Exam Synabus	Written test:
	Historical and literary comment and illustration of a text in verse or prose concerning the
	period from the Nineteenth to the Twentieth Centuries which will be proposed by the
	candidate in its original language (English, German, Swedish, Danish, Norwegian). Unly for
	English literature an early modern text will be made available.
	The use of monolingual dictionaries is allowed. The test may be done in Italian or in English.
	Oral test:
	Discussion of the written test and of the candidate's research project, which s/he must attach
	to the application. The knowledge of two foreign languages will be tested.
	The Teaching Body proposes to direct the graduate student towards a project that it deems
	more suitable for his/her abilities and skills, as well as being more congruent with the research
	lines of the Doctoral course.
Research Themes	The Doctoral course can accept a vast range research projects, on Anglo-American $(19^{\text{m}} - 21^{\text{st}})$
	centuries), English ($16^{\text{m}} - 21^{\text{st}}$ centuries), Nordic ($18^{\text{m}} - 21^{\text{st}}$ centuries), and German ($18^{\text{m}} - 21^{\text{st}}$
	21 st centuries) literature authors and texts.
	Fields of particular interest:
	- American Studies:
	American Renaissance; poetry and culture between the 19 th and 20 th centuries; the prose of
	James Fitzgerald; literature and society in the second Post War period; theatre (and cinema) of
	the 20 th century.
	- English Studies:
	Elizabethan and Jacobean theatre; forms and developments of eigtheenth century narrative;
	orientalism in the age of Enlightement; Sublime aesthetics and poetics; representations of the
	English aristocracy; Romantics, late Romantics, early Victorians; colonial wars in the
	Victorian Age; aestheticism and decadence; literary impressionism; late Victorian narrative;
	Modernism: metropolitan scholars and colonial outskirts: writing, view, visual arts and
	intertextuality: modernist criticism and metaphysical poetry: urban literature (20 th -21 st):
	tradition and innovation in the poetry of the second Post War period vulnerability ethics and
	biopolitics in the novel of the 21 st century.
	- German Studies:
	travel literature: grotesque literature the historical novel: war novels and war noetry
	entertainment literature and construction of national identities (1850-1014) contemporary
	dramaturary (20^{th} and 21^{th} conturies) transcultural literature in Carmon: the literature tradition
	uramaturgy (20° and 21° conturies), transcurturar incrature in German, the interary tradition.
	Nordio Literaturas
	- Nordic Literatures

	Literature and society (19th and 20th centuries). The "irruption of Modernism"; Avant Guard,
	Decadentism and early Modernism; the crisis of values, the science/faith contrast and "occult
	revival" of the end of the 19th century. Reception and/or translation of Nordic authors in other
	European areas; history of the book; relationships between European and Scandinavian
	authors; reception and translation of European authors in Scandinavia. Poetry and poetic
	currents; Modernism and Neoclassicism; poetry and new media; theatre and cinema.
	Literature for children in the 20 th century.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	following email address: anna.maria.marzocchi@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	During the interview, candidates must prove they confidently master the foreign languages
	used in their research projects. Nonetheless, they must show an advanced level of knowledge
	of at least one foreign language, and at least an instrumental knowledge of a second foreign
	language, chosen among those active in the doctoral course (French, English, Polish,
	Portuguese, Russian, Spanish, Swedish, Norwegian, Danish, German). Students' whose
	mother tongue is not Italian will have to show their knowledge of Italian, besides the
	language/s used in their research projects, which is necessary for a fruitful participation in the
	didactic activties.
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the
	written test. It will take into account curriculum studiorum, qualifications, publications, the
	thesis of the five-year degree and the research project.
	The classificational list of those admitted to the written test will be published on the DIRAAS
	website by the 6.7.2018.

Curriculum: ROMANCE AND SLAVIC LITERATURES (CODE 7093)

Coordinator: Verdino Stefano Fernando		
Department of Italian and	Department of Italian and Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di	
Italianistica, romanistica, anti-	chistica, arti e spettacolo – DIRAAS)	
Places : 7 – Grants : 5 (*).		
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
The number of grants (5) and	that of places without grant (2) refers to the doctoral research course in its entirety and not to	
the single curriculum.		
The merit list, of the written	test and the final list are one and the same for the entire doctoral course and not the single	
curricula. Candidates enrolled	d in more than one curriculum and who have been admitted to the written test may choose	
which exam to sit on the day	of the exam.	
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	12.7.2018 – 12.00 noon Aula 6 (Room 6). Ground Floor, via Balbi 2. Genova	
Interview	17.7.2018 - 9.30 am at the Library of the Department of Italian and Romance languages	
Inter view	Classical Studies The Arts and Performing Arts (Dipartimento di Italianistica, romanistica)	
	antichistica arti e spettacolo - DIRAAS) Fourth Floor via Balbi 2 Genova	
Further information on	The 5 year degree dissertation (even if it has not yet been discussed) and any other	
how to present	nublications shall be sent in DDE format to Drof Dobarto Francovilla:	
auglifications/nubblications	reberto francavilla (junice it	
From Sullabus	<u>Itoberto, italica vitia (d) utige.it</u> .	
Exam Synabus	Written test:	
	instolical and inerary comment and inustration of a text in verse of prose concerning the	
	period from the Nineteenth to the Twentieth Centuries which will be proposed by the	
	candidate in its original language (French, Spanish, Portuguese, Russian, Polish). The use of	
	monolingual dictionaries is allowed. The test may be done in Italian of in English.	
	Overlaget	
	Disquestion of the written test and of the condidate's research project which s/he must attach	
	Discussion of the written test and of the candidate's research project, which she must attach	
	to the application. The knowledge of two foleign languages will be tested. During the	
	Interview, candidates must prove they confidently master the foreign languages used in their	
	research projects. Nonetheless, they must show an advanced level of knowledge of at least one	
	foreign language, and at least an instrumental knowledge of a second foreign language,	
	chosen among those active in the doctoral course (French, English, Polish, Portuguese,	
	Russian, Spanish, Swedish, Danish, Norwegian, German). Students' whose mother tongue is	
	not Italian will have to show their knowledge of Italian, besides the language/s used in their	
	research projects, which is necessary for a fruitful participation in the didactic activities.	
	The Teaching Body proposes to direct the graduate student towards a project that it deems	
	more suitable for his/her abilities and skills, as well as being more congruent with the research	
	lines of the Doctoral course.	
Research Themes	The Doctoral course can accept a vast range of research projects, on French $(1/m - 21^m)$	
	centuries), Portuguese and Brazialian $(19^{\text{m}} - 21^{\text{st}} \text{ centuries})$, Spanish $(16^{\text{m}} - 21^{\text{st}} \text{ centuries})$,	
	Polish ($19^{\text{m}} - 21^{\text{st}}$ centuries) and Russian ($18^{\text{m}} - 21^{\text{st}}$ centuries) literature authors and texts.	
	Fields of particular interest:	
	French Studies:	
	Detailed study of single authors, currents and trends from the 17th century to the present day,	
	with special attention for theoretical and poetic features of the 19th century.	
	Portuguese and Brazilian literature:	
	Fernando Pessoa and Portuguese Modernism; José Cardoso Pires: Portuguese literature and	
	power during Salazar's regime; literature and censorship; memory and trauma; the Colonial	
	War; Brazilian Modernism; representations of space in the regional Brazilian novel; literature	
	and the edge: Brazilian favelas; postcolonial studies: African literatures in Portuguese.	
	Spanish literature:	
	Literature of the crisis: essays and novels in Spain after the defeat of Cuba (1898); urban	
	space in Spanish narrative from the second half of the 19 th century to the present day;	
	narrative genres and hybridization in democratic Spain.	

	Latin American literatures:
	Literary figures and myths on the background of the 1898 crisis; metropolitan spaces and
	violence (20 th and 21 st centuries); the re-reading of history by means of the narrative fiction of
	the '80s.
	Delich literature and Delich and Descion Lewish literature.
	Polish literature and Polish and Russian Jewish literature: Literature of the second half of the 20^{th} and beginning of the 21^{st} centuries, and in particular
	identity and genre thematics female literature, the relationship between literature and history
	prison literature, autobiographies. Jewish Studies within the Polish and Ashkenazic ambit, and
	also Jewish-Polish and Jewish-Italian literature; imagology and forms of self-representation.
	Russian Studies:
	Humour studies; onomastics; literature and geography: space, travel, identity; female
Information on references	Candidates must choose not less than one and not more than three referees to support their
finite mation on references	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	following email address: anna.maria.marzocchi@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	During the interview, candidates must prove they confidently master the foreign languages
	used in their research projects. Nonetheless, they must show an advanced level of knowledge of a cacend foreign
	language chosen among those active in the doctoral course (French English Polish
	Portuguese Russian Spanish Swedish Norwegian Danish German) Students' whose
	mother tongue is not Italian will have to show their knowledge of Italian, besides the
	language/s used in their research projects, which is necessary for a fruitful participation in the
	didactic activties.
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the
	written test. It will take into account curriculum studiorum, qualifications, publications, the
	thesis of the five-year degree and the research project.
	The classificational list of those admitted to the written test will be published on the DIRAAS
	website by the 6.7.2018.

Curriculum: SCIENCES OF CLASSICAL STUDIES

(CODE 7095)

Coordinator: Verdino Stefan	Coordinator: Verdino Stefano Fernando	
Department of Italian and	Department of Italian and Romance languages, Classical Studies, The Arts and Perfoming Arts (Dipartimento di	
Italianistica, romanistica, anti-	chistica, arti e spettacolo – DIRAAS)	
Places : 7 – Grants : 5 (*).		
(*) 5 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
The number of grants (5) and	that of places without grant (2) refers to the doctoral research course in its entirety and not to	
the single curriculum.		
The merit list, of the written test and the final list are one and the same for the entire doctoral course and not the single		
curricula. Candidates enrolled in more than one curriculum and who have been admitted to the written test may choose		
which exam to sit on the day of	of the exam.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure	12.7.2010 12.00 mm A.L. ((Dennel) Consul Floor is Delli 2. Consul	
Written Test	12.7.2018 – 12.00 noon Aula 6 (Room 6), Ground Floor, via Balbi 2, Genova.	
Interview	17.7.2018 – 9.30 am at the Library of the Department of Italian and Romance languages,	
	Classical Studies, The Arts and Performing Arts (Dipartimento di Italianistica, romanistica,	
Ethere is for unrestions on	The 5 year degree discritish (over if it has not yet hear discussed) and any other	
Further information on	nublications shall be sont in DDE format to Prof. Francesco, Gazzano:	
now to present	francesca gazzano 1 (agmail com	
Fyom Syllabus	The written test will consist in the dealing of thematics contemplated in the research themas	
Exam Synabus	in the light of ancient sources and modern hibliography	
	in the right of ancient sources and modern ofonography.	
	The oral test consists in an interview in which candidates will present their research projects	
	and discuss their written tests.	
	Candidates shall attach their research project to their application.	
	The Teaching Body reserves the right to direct the graduate student towards a project that it	
	deems more suitable for his/her abilities and skills, as well as being more congruent with the	
	research lines of the Doctoral course.	
Research Themes	- Greek Civilization: historical, political, institutional, social, economic, religious and cultural	
	aspects.	
	- Roman Civilization: historical, political, institutional, social, economic, religious and	
	cultural aspects.	
T. C	- Greek and Roman archeology and history of art: archeological research methods.	
Information on references	Candidates must choose not less than one and not more than three referees to support their condidations. These referees must be university professore or support in the subject and it will	
	be their concern to cond reference letters, within the deadline of the public notice, to the	
	following email address: anna maria marzocchi@unige it	
	ionowing eman address. <u>anna.maria.marizocemagunige.n</u> .	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their applications	
Foreign Languages	English or French or Spanish or German	
	During the oral test, for at least two of the abovementioned languages, candidates will have to	
	show sufficient knowledge to translate a passage of a scientific publication.	
Further Information	Candidates are advised to check the classificational list of those admitted before coming to the	
	written test. It will take into account curriculum studiorum, qualifications, publications, the	
	thesis of the five-year degree and the research project.	
, , , , , , , , , , , , , , , , , , ,		
	The classificational list of those admitted to the written test will be published on the DIRAAS	
	website by the 6.7.2018.	

Course in: LOGISTICS AND TRANSPORT (CODE 7096)

Coordinator: Ferrari Claudio		
Italian Exceller	ncy Centre of Integrated Logistics (Centro Italiano di Eccellenza sulla Logistica Integrata – CIELI)	
Places: 5 – Gr	ants: 4 (*)	
(*) 3 grants fro	om the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 1	5.343,28.	
(*) 1 grante fu	nded by CIELI, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 1	5.343,28	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	9.7.2018 – 9.00 am at the Italian Excellency Centre of Integrated Logistics (Centro Italiano di Eccellenza	
	sulla Logistica Integrata – CIELI), 2 nd level, via Vivaldi 5, Genova.	
Exam	The interview aims at verifying knowledge of the transport sector in its multidisciplinary aspects and the	
Syllabus	candidates' aptitude for scientific research as well as their knowledge of English.	
	Candidates who do not reside in Genova ma ask to carry out the interview via Skype (video conference) by	
Dessearch	communicating this to the CIELI secretariat and to the Coordinator of the course within the month of June.	
Thomas	1. Digitilization, sharing economy and urban distribution of goods.	
Themes	2. Evaluation methods of the performance of a logistic corridor and identification of innovative technologies to support the management of the corridor	
	3 Innovative solutions for railway-road intermodal transport bed on the concept of Mobility-as-a-	
	Service	
	4. Ouantative methods for the planning of new cruise itineraries.	
	5. Evolutionary tendencies and containerization processes of Italian international exchanges.	
	6. Planning of sustainable urban mobility: objective, instruments, guidelines, methodological guides and	
	applications.	
	7. Methods for the planning optimization of logistics systems with reference to multi-objective problems.	
	8. Dynamic models and control patterns for highway traffic in the presence of autonomous driving	
	vehicles.	
	9. Planning of multi-modal transport networks of passengers and goods.	
	10. Optimal use of transport infrastructures and services.	
	11. Use of Intelligent Transport Systems (ITS) for optimal management of transport.	
	12. Use and promotion of enabling technologies 14.0 in italian port communities.	
	13. Digitilization of relations with users and client satisfaction in urban and suburban public transport	
	services.	
Information	14. Logistics at the service of the cruise industry.	
on references	These referees must be university professors or experts in the subject and it will be their concern to send	
on references	reference letters within the deadline of the public notice to the Coordinator of the Doctoral course. Prof	
	Claudio Ferrari, at: ferrari@economia.unige.it.	
	······································	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		
Further	CIELI Administrative Secretariat	
Information	<u>cieli@unige.it</u>	
	Coordinator of the Doctoral Course	
	Prof. Claudio Ferrari	
	claudio.ferrari@economia.unige.it	

Course in: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICS AND APPLICATIONS (CODE 7097)

Coordinator: Pinamonti Nico	ola
Department of Mathematics (Dipartimento di Matematica – DIMA)
Places : 6 – Grants : 5 (*).	
(*) 4 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
(*) 1 grant co-funded by MIU	JR/DIMA, the annual gross amount of the grant, including social security expenses to be paid
by the recipient, is € 15.343,2	8.
Please note that 2 additiona	Il places reserved to grant holders in the following programme of interational mobility:
Programme/Call: H2020-MSCA-COFUND-2015 Proposal: 713485 - INdAM-DP-COFUND-2015, will be made available to	
the winners of the public selec	tion at the following link:
https://cofund.altamatematica	it/dp-2015/main/website?page=doctoral-programmes
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Data, ora e luogo del	12.7.2018 - 9.00 am at the University of Genova, Department of Mathematics (Dipartimento
Interview	di Matematica – DIMA), via Dodecaneso 35, 16146 Genova.
	The interviews may continue on 13.7.2018.
	Candidates who are interested may request the interview to be done electronically (via Skype)
	by contacting Prof. Nicola Pinamonti (<u>pinamont(a)dima.unige.it</u>) at least / days before the
E	assessment.
Exam Syllabus	The comparative assessment procedure consists in the assessment of qualifications (multications and in interview on the research presented by the
	qualifications/publications and in interview on the research project presented by the
Eurther information on	Pagidag the documentation ligted in art 2 of the public nation condidates must present:
how to present	if available, their 5 year degree thesis (to be unloaded online)
auglifications/nubblications	Furthermore:
quanneations/pubblications	- their three-year degree and 5-year degree marks should be indicated in their curriculum:
	- a research project (2 pages max) which describes the research theme they intend to work on
	during the Doctoral Course
Research Themes	- Harmonic and functional analysis
Research Themes	- Mathematical logic and theory of categories
	- Commutative algebra and computer algebra.
	- Complex projective geometry.
	- Analytic theory of numbers.
	- Arithmetic geometry and algebraic theory of numbers.
	- Geometric methods in physics theories.
	- Mathematical aspects of quantum mechanics and theory of field on curved space.
	- Mathematical probability and statistics.
	- Numeric analysis and computational methods with applications in medical imaging,
	neurosciences and astrophysics.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address:
	Drof Nicola Dinamonti
	Università di Genova
	Dinartimento di Matematica (DIMA)
	via Dodecaneso 35
	16146 Genova
	or, alternatively, to the email address; pinamont@dima.unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Prof. Nicola Pinamonti
	Dipartimento di Matematica
	via Dodecaneso 35
	16146 Genova
	pinamont@dima.unige.it

Course in: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICAL METHODS FOR THE ANALYSIS OF DATA (CODE 7098)

Coordinator: Pinamonti Nicola	
Department of Mathematics ()	Dipartimento di Matematica – DIMA)
Places : 2(°) – Grants : 1 (*).	
(*) 1 grant funded by the Institute of Applied Mathematics and Information Technology (Matematica Applicata e Tecnologie Informatiche - IMATI) of the CNR Consiglio Nazionale delle Ricerche following the drawing up of a specific agreement to carry out research within the project MATRACT "Studio e sviluppo di metodi per l'approssimazione e il campionamento adattivo di campi scalari guidati da mappe di incertezza, con applicazione alla misurazione di variabili ambientali", the annual gross amount of the grant, including social security expenses to be paid by the recipient, is \in 15.242.28	
(°) 1 place for industrial Ph D	for employees of FRG S n A
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND INTERVIEW
nrocedure	
Data ora e luogo del	12.7.2018 - 9.00 am at the University of Genova, Department of Mathematics (Dipartimento
Interview.	di Matematica – DIMA) via Dodecaneso 35, 16146 Genova
Interview.	The interviews may continue on 13.7.2018
	Candidates who are interested may request the interview to be done electronically (via Skype) by contacting Prof. Nicola Pinamonti (<u>pinamont@dima.unige.it</u>) at least 7 days before the assessment.
Exam Syllabus:	The comparative assessment procedure consists in the assessment of qualifications/publications and in interview on the research project presented by the candidate.
Further information on	Besides the documentation listed in art. 3 of the public notice, candidates must present:
how to present	- if available, their 5-year degree thesis (to be uploaded online).
qualifications/pubblications	Furthermore:
	- in their curriculum their three-year degree and 5-year degree marks should be indicated;
	- a research project (2 pages max.) which describes the research theme they intend to work on
	during the Doctoral Course.
Research Themes	The research theme funded by IMATI-CNR is:
	"Studio e sviluppo di metodi per l'approssimazione e il campionamento adattivo di campi
	scalari guidati da mappe di incertezza, con applicazione alla misurazione di variabili
	ambientali" ("Study and development of methods for the approximation and the adaptive
	sampling of scalar fields guided by uncertain maps, with application to the measuring of
	environmental variables")
	I ne research theme for employees of EKG S.p.A. IS:
	(Development of methods and methometical models application and the Energy Risk Management)
	(Development of methods and mathematical models applied to Energy Kisk Management)
Information on references	Candidates must choose not less than one and not more than three referees to support their
information on references	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following address:
	C
	Prof. Nicola Pinamonti
	Università di Genova
	Dipartimento di Matematica
	via Dodecaneso 35
	16146 Genova
	or, alternatively, to the email address: pinamont@dima.unige.it.
	The name status and service place of the referees chosen by the candidates must be stated in
	their applications
Foreign Languages	English
Further Information	Prof Nicola Pinamonti
	Dipartimento di Matematica
	via Dodecaneso 35
	16146 Genova
	pinamont@dima.unige.it
Curriculum: BIOCHEMISTRY (CODE 7099)

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Curriculum: PHARMACOLOGY AND TOXICOLOGY (CODE 7100)

Coordinator:	Giambattista Bonanno
Department of	Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)
Places: 1 – Gr	ants: 1 (*).
(*) 1 grant from	m the University, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 1	5.343,28.
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	3.7.2018 – 10.00 am at the Department of Pharmacy (Dipartimento di Farmacia – DIFAR), Pharmacology
	and Toxicology Section, viale Cembrano 4, 16148 Genova.
Exam	The interview will focus on topics relating to General and Clinical Pharmacology and General and Special
Syllabus	Toxicology, the illustration of any of the candidates' previous experiences in the field of research or while
-	preparing their dissertation and English knowledge will be tested with the reading and translation of a
	passage from a scientific article.
Research	Neuropharmacology, Neurotoxicology, Clinical Pharmacology and Genotoxicity.
Themes	
Information	Candidates must choose not less than one and not more than three referees to support their candidature.
on references These referees must be university professors or experts in the subject and it will be their concern to reference letters, within the deadline of the public notice, to the following address:	
	Prof. Ernesto Fedele
	Università di Genova
Dipartimento di Farmacia (DIFAR)	
	Viale Cembrano 4
16148 Genova	
	(+39) 0103532659
	or, alternatively, to the email address: <u>fedele@difar.unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in their
. .	applications.
Foreign	English
Languages	
Further	Prof. Ernesto Fedele
Information	Università di Genova
	Diparumento di Farmacia (DIFAK)
	Viale Cemprano 4
	10148 UENOVA
	(+39) 0103532059
	<u>Iedele(a)difar.unige.it</u>

Curriculum INTERNATIONAL CURRICULUM IN PHARMACOLOGY AND TOSSICOLOGY (CODE 7102) Curriculum in agreement with Maastricht University, Maastricht, The Netherlands.

Coordinator:	Giambattista Bonanno	
Department of	Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 1 (*).		
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.		
At the end of the	he course a joint qualificaiton will be awarded with Maastricht University, Maastricht, The Netherlands.	
An additional	grant will be announced by the Maastricht University. The public notice of exam will be published at the	
address https://	/www.academictransfer.com/employer/UM/. Thus, there are overall two places available for the curriculum,	
2 of which with	h grants.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	3.7.2018 – 10.00 am at the Department of Pharmacy (Dipartimento di Farmacia – DIFAR), Pharmacology	
	and Toxicology Section, viale Cembrano 4, 16148 Genova.	
Exam	The interview will be in English and will concern topics in General and Clinical Pharmacology and	
Syllabus	Toxicology, and a brief description of previous research experiences, also while preparing the dissertation.	
Research	Neuropharmacology, neurotoxicology.	
Themes		
Information	Candidates must choose not less than one and not more than three referees to support their candidature.	
on references	ences These referees must be university professors or experts in the subject and it will be their concern to sen	
	reference letters, within the deadline of the public notice, to the following address:	
	Prot. Ernesto Fedele	
	Universita di Genova	
	Dipartimento di Farmacia (DIFAK)	
	Viale Cemorano 4	
	10148 Genova (+20) 0102522650	
	(+39) 0103532639	
	or alternatively to the small address: fadele@difer unice it	
	or, architativery, to the chian address. <u>redete@dnar.unge.tt.</u>	
	The name status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		
Further	Prof. Ernesto Fedele	
Information	Università di Genova	
	Dipartimento di Farmacia (DIFAR)	
	Viale Cembrano 4	
	16148 Genova	
	(+39) 0103532659	
	fedele@difar.unige.it	

Curriculum: MOLECULAR AND CELLULAR PATHOLOGY OF AGE-RELATED DISEASES (CODE 7101)

Coordinator:	Coordinator: Giambattista Bonanno	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)		
Places : 2 – Grants : 2 (*).		
(*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 1	15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	5.7.2018 – 10.00 am at the Department of Experimental Medicine (Dipartimento di Medicina Sperimentale	
	– DIMES), Pathology Section, via L.B. Alberti 2, Genova.	
Exam	Interdisciplinary, experimental, clinical methodologies and pharmaceutical and therapeutic themes	
Syllabus	concerning the pathology of ageing and age-related diseases.	
Research	- Molecular and cellular alterations in ageing and in neurodegenerative pathologies.	
Themes	- Ageing mechanisms of the sense organs.	
T C /	- Molecular bases of neoplasias and resistance to drugs.	
Information	nation Candidates must choose not less than one and not more than three referees to support their candidature	
on references	in references in the following address:	
reference feders, within the deadline of the public notice, to the following address:		
	Prof Cinzia Domenicotti	
	Università di Genova	
	DIMES - Patologia Generale	
	Via Leon Battista Alberti 2	
	16132 Genova	
	or, alternatively, to the email address: cinzia.domenicotti@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		
Further	Prof. Cinzia Domenicotti	
Information	Università di Genova	
	DIMES - Patologia Generale	
	Via Leon Battista Alberti 2	
	16132 Genova	
	(+39) 0103538830	
	cinzia.domenicotti(@)unige.it	

Course in: NEUROSCIENCES In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: CLINICAL AND EXPERIMENTAL NEUROSCIENCES (CODE 7103)

Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento o	JI uniator . Abbiuzzese Olov	
Nauraggianza righilitariana affalmalagia ganatiga aggianza matama infantili DINOCMI	Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di	
neuroscienze, naointazione, oitaimoiogia, genetica e scienze materno-infantili – DINOGMI)		
Places: 4 – Grants: 3 (*)		
(*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the	2 grants from the University	
recipient, is € 15.343,28.		
(*) di cui 1 borsa cofinanziata su fondi MIUR/DINOGMI, the annual gross amount of the grant, including social securit		
expenses to be paid by the recipient, is € 15.343,28	enses to be paid by the recipi	
Comparative assessment QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	nparative assessment Q	
procedure		
interview 10.7.2018 – 9.00 am at the Department of Neurosciences, renabilitation, ophinalmolog	rview	
offalmologia genetica e scienze materno infantili DINOGMI) Library largo Daolo Dan	g	
3 Genova	03	
Further information on The following qualifications/publications will be evaluated in order of importance:	ther information on T	
how to present - research programme:	to present	
gualifications/pubblications - work experience in research in Neurosciences;	lifications/pubblications -	
- reference letters;	-	
- degree mark and degree dissertation;	-	
- publications in impacted journals;	-	
- acknowledgments and awards.	-	
Exam Syllabus Description of the research project the candidates intend to develop during their doctor	m Syllabus D	
course.	C	
Research Themes a) Neurology: multiple sclerosis and immunomediated neuropathies of the CNS and PN	earch Themes a	
neuromuscular disorders, degenerative diseases of the central nervous system, epilepsy, slee	n	
disorders, cerebrovascular diseases, extrapyramidal diseases and Parkinson's disease.	d	
depressive psychiatry: affective disorders, convulsive obsessive disorder, schizophrenia and mani	D	
a) Genetics of neurological disorders	u a	
d) Developmental neurology: enilensy child cerebral palsy mental retardatio	d	
extranyramidal diseases autism neuromuscular disorders	e e	
e) Neuroimages: studies of conventional and non-conventional MR on neurologic at	e	
psychiatric diseases.	p	
f) Neurophysiology and neurobiology: cellular and molecular mechanisms of synapt	f	
transmission and plasticity, nanotechnologies applied to neurosciences.	tr	
g) Biology of adult stem cells and their application in the treatment of neurological disorders	g	
Information on references Candidates must choose not less than one and not more than three referees to support the	ormation on references C	
candidature. These referees must be university professors or experts in the subject and it w	с	
be their concern to send reference letters, within the deadline of the public notice, to the	b	
contact person for the curriculum in "Clinical and Experimental Neurosciences":	C	
Draf Antonia Hacalli	D	
Proi. Antonio Uccelli Dipartimento di NEUROSCIENCES Disbilitazione Oftelmologia Capatica e Scien		
Materno-Infantili (DINOGMI)		
Largo Paolo Daneo 3	I	
16132 Genova	1	
or, alternatively, to the email address: <u>neuroimmuno3@neurologia.unige.it.</u>	0	
Or to Dott. Maria Paola Fenu: neurologia@neurologia.unige.it.	С	
The name, status and service place of the referees chosen by the candidates must be stated	T	
their applications.	tł	
Foreign Languages English	eign Languages E	
Further Information Prof. Antonio Uccelli Dipartimente di NEUDOSCIENCES Diskiliatione Obstantacia Caratina C	ther Information P	
Dipartimento di NEUROSCIENCES, Riabilitazione, Oftalmologia, Genetica e Scient		
Iviaterno-iniantii (Dinogivii)		
Laigo Faolo Dalleo 5 16132 Genova	L 1	
(+39) 0103537030-7040	1 (-	

neuroimmuno3@neurologia.unige.it
Dott. Maria Paola Fenu neurologia@neurologia.unige.it

Course in: NEUROSCIENCES In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: NEUROSCIENCES AND NEUROTECHNOLOGIES (CODE 7104)

Coordinator: Abbruzzese Gio	ovanni	
Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di		
Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)		
Places : 6 – Grants 6 (*).		
(*) 6 grants funded by the Istituto Italiano di Tecnologia (IIT), the annual gross amount of the grant, including social		
security expenses to be paid b	y the recipient, is \in 16.500,00.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	The following documentation must be submitted be means of the online procedure according	
how to present	to the guidelines of the public notice:	
qualifications/pubblications	a) title of the degree dissertation;	
	b) brief description of the degree dissertation;	
	c) list of exams and their marks;	
	d) a signed research project concerning one or more of the research themes of the doctoral	
	course object of the application (maximum 10 pages),	
	e) the hames, status and work place of the references, at reast 1 and not more than three, who	
	inust send reference refers about the candidate uncerty to the following eman address.	
	f) a statement declaring one's knowledge of English since it is the language of the doctoral	
	course	
Research Themes	The titles of the research themes are listed below; the complete description of the research	
	themes can be consulted at https://www.iit.it/phd-school:	
	1) Platinum nanoparticles in the restoration of vision in a rat model of degenerative blindness;	
	Tutor: Jose Fernando Maya-Vetencourt (maya.vetencourt@iit.it).	
	2) Epigenetics in the adult brain; Tutor: Fabio Benfenati (fabio.benfenati@iit.it).	
	3) Modulation of blood-brain barrier permeability; Tutor: Fabio Benfenati	
	(<u>fabio.benfenati@iit.it</u>).	
	4) Neurotrophin signaling and neuroinflammation; Tutor: Fabrizia Cesca	
	(<u>fabrizia.cesca@iit.it</u>).	
	5) Cellular mechanisms of perception; Tutor: Tommaso Fellin (<u>tommaso.felin(<i>a</i>):11.11</u>).	
	6) Neural control and biomechanics of the octopus arm hydrostatic muscles; Tutor: Letizia	
T. C	Zullo (<u>letizia.zullo(@)iit.it</u>).	
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will	
	candidature. These references must be university professors of experts in the subject and it will be their concern to cand reference letters in ndf format, within the deadline of the public	
	be then contact person for the Curriculum in Neurosciences and Neurotechnologies	
	Prof Fabio Renfenati at the following email address: httphdcourse@iit it	
	1101. 1 doito Dementati, ac ale 1010 millo emain address. <u>notpratodaiso(agneta</u> .	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	For further information write to: <u>nbtphdcourse@iit.it</u>	

Course in: NEUROSCIENCES In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: MOTORY AND SPORTS ACTIVITIES SCIENCES (CODE 7105)

Coordinator : Abbruzzese Gi	ovanni
Department of Neuroscience	s, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di
Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)	
Places: 3 – Grants: 2 (*)	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	4.7.2018 – 10.00 am at the Department of Neurosciences, rehabilitation, ophthalmology
	genetics and mother and child sciences (Dinartimento di Neuroscienze, riabilitazione
	oftalmologia genetica e scienze materno-infantili – DINOGMI) Library Jargo Paolo Daneo
	3 Genova
Further information on	The following will be evaluated:
how to present	1 Degree mark
now to present	1. Degree mark.
quantications/pubblications	2. Personal curriculum (including the Degree dissertation).
	5. Research experience and scientific publications.
	4. Research programme presented by the candidate.
Exam Syllabus	The interview will deal with the research themes of the curriculum of the Doctoral Course and
	a discussion concerning the candidate's research programme, which will be evaluated on the
	basis of content originality, execution modalities, feasibility, its relevance to the themes of the
	field of research for which this public exam has been announced.
Research Themes	The doctoral course will develop research lines concerning the study of:
	1. Motory performance, motory learning and sensorimotor integration (the kinematics of
	movement, postural analysis, electrophysiology of movement and of sensorimotor integration,
	morphologic and functional imaging).
	2. Sports performance (the methodological approach to sports performance, the interaction
	between physiological parameters and training methods, the relationship between nutrition
	and sports performance, the interaction between drugs and the physiology of athletic
	gestures).
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	following address:
	Send to the kind attention of
	Prof. Giovanni Abbruzzese
	Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-
	Infantili (DINOGMI)
	largo Paolo Daneo 3
	16132 Genova
	(+39) 0103537039
	Or, alternatively, to the email address: gabbruzzese@neurologia.unige.it, or to Dott. Maria
	Paola Fenu at: <u>neurologia@neurologia.unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Prof. Giovanni Abbruzzese
	Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-
	Infantili (DINOGMI)
	largo Paolo Daneo 3
	16132 Genova
	tel (+39) 0103537039
	gabbruzzese@neurologia unige it

Course in: HEALTH SCIENCES

Curriculum: BIOSTATISTICS (CODE 7115)

Coordinator: Viscoli Claudio	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places : 1 – Grants : 0.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della
	Salute – DISSAL), Room A, via Pastore 1, Genova.
Interview	3.7.2018 - 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della
	Salute – DISSAL), Room A, via Pastore 1, Genova.
Further information on	Please note that by qualifications/publications reference is made to the information in the
how to present	application and in the curriculum vitae et studiorum, the research project, other
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.
Exam Syllabus	The tests will concern topics relating to the research themes.
Research Themes	1. Models for the study of prognostic factors, of effect modifiers and surrogate endpoints.
	2. Meta analysis.
	3. Models for the study of disability trajectories.
	4. Methodological issues in the quantitative study of the progression of the disease in chronic
	diseases.
	5. Early prognosis markers and reaction to treatment.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	contact person of the Doctoral Course Prof. Maria Pia Sormani at the following address:
	mariapia.sormani(a)unige.it.
	The name status and complex alone of the reference shows her the conditions must be stated in
	their applications
Foreign Longuages	English
Foreign Languages	Contact person in administration:
rurmer information	Contact person in administration. Mr Giuseppe Zara
	wi Giuseppe Zara
	giuseppe.zara(<u>a</u> /unige.n

Course in: HEALTH SCIENCES

Curriculum: EPIDEMIOLOGY AND VACCINE PREVENTION (CODE 7111)

Coordinator: Viscoli Claudio			
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)			
Places : 1 – Grants : 1 (*).	Places: 1 – Grants: 1 (*).		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM		
procedure			
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della		
	Salute – DISSAL), Room A, via Pastore 1, Genova.		
Interview	3.7.2018 - 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della		
	Salute – DISSAL), Room A, via Pastore 1, Genova.		
Further information on	Please note that by qualifications/publications reference is made to the information in the		
how to present	application and in the curriculum vitae et studiorum, the research project, other		
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.		
Exam Syllabus	The tests will concern topics relating to the research themes.		
Research Themes	1. Epidemiology of transmissable vaccine-preventable diseases - Design, organization and		
	evaluation of clinical-epidemiological and virological surveillance systems - Design,		
	standardization and evaluation of molecular techniques for the detection and characterization		
	of microorganisms - Use of mathematical models to evaluate the impact of preventive		
	measures.		
	2. Immunological response to vaccinal preparations – Design, standardization and evaluation		
	of techniques to determine the humoral response – Determinants of the cell-mediated response		
	- Clinical studies on monovalent and combined, inactivated and attenuated live vaccines,		
	differently adjuvanted, to be administered by injection and mucosally, so as to evaluate safety,		
	tolerability, immunogenicity and efficacy – Association of different vaccinal preparations and		
	use of alternative schedules – studies on files for the evaluation of effectiveness.		
	3. Role of vaccinations in children and adolescents, adults and the elderly – Detection of rates		
	of vaccine coverage – Monitoring of preventable cases.		
	4. Regulating and authoritative aspects of vaccines – Ethic evaluations.		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public notice, to the		
	contact person of the Doctoral Course Prof. Giancarlo Icardi at the following address:		
	<u>icardi@unige.it</u> .		
	The name, status and service place of the referees chosen by the candidates must be stated in		
	their applications.		
Foreign Languages	English		
Further Information	Contact person in administration:		
	Mr Giuseppe Zara		
	giuseppe.zara@unige.it		

Curriculum: INFECTIOUS AND TROPICAL DISEASES (CODE 7110)

Coordinator: Viscoli Claudio	Coordinator: Viscoli Claudio		
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)			
Places : 2 (°) – Grants : 1 (*).	Places: 2 (°) – Grants: 1 (*).		
(*) 1 grant co-funded by a MIUR/DISSAL, the annual gross amount of the grant, including social security expenses to be			
paid by the recipient, is € 15.343,28.			
(°) 1 place reserved for grant	(°) 1 place reserved for grant holders in specific international mobility programmes.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM		
procedure			
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della		
	Salute – DISSAL), Room A, via Pastore 1, Genova.		
Interview	3.7.2018 - 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della		
	Salute – DISSAL), Room A, via Pastore 1, Genova.		
Further information on	Please note that by qualifications/publications reference is made to the information in the		
how to present	application and in the curriculum vitae et studiorum, the research project, other		
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.		
Exam Syllabus	The tests will concern topics relating to the research themes.		
Research Themes	1. Infection in the immunocompromised host: epidemiology, diagnostics and therapy.		
	2. Antibiotic resistance and nosocomial infections: surveillance, epidemiology and clinical		
	management.		
	3. HIV infection: immunologic alterations, opportunistic infections, antiretroviral therapy.		
	4. Chronic HCV- and HBV-related hepatopathy.		
	5. Tubercolosis: epidemiology and drug resistance.		
Information on references	Candidates must choose not less than one and not more than three referees to support their		
	candidature. These referees must be university professors or experts in the subject and it will		
	be their concern to send reference letters, within the deadline of the public notice, to the		
	coordinator of the Doctoral Course Prof. Claudio Viscoli at the following address:		
	<u>claudio.viscoli@unige.it</u> .		
	The name, status and service place of the referees chosen by the candidates must be stated in		
Fauster Languages	English		
Foreign Languages	English Contect noncon in a lucinistration:		
Further Information	Contact person in administration:		
	Mr Gluseppe Zara		
	giuseppe.zara(a)unige.it		

Curriculum: FORENSIC AND OCCUPATIONAL MEDICINE (CODE 7114)

Coordinator: Viscoli Claudio	Coordinator: Viscoli Claudio	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)		
Places: 1 – Grants: 1 (*).		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della	
	Salute – DISSAL), Room A, via Pastore 1, Genova.	
Interview	3.7.2018 - 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della	
	Salute – DISSAL), Room A, via Pastore 1, Genova.	
Further information on	Please note that by qualifications/publications reference is made to the information in the	
how to present	application and in the curriculum vitae et studiorum, the research project, other	
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.	
Exam Syllabus	The tests will concern topics relating to the research themes.	
Research Themes	Themes for Forensic Medicine:	
	1) Management of forensic litigation in healthcare, with special attention to damages due to	
	medical error and to the assessment and prevention of nosocomial infections.	
	2) Death diagnosis, prevention and research applied to the examination of the cadaver	
	undergoing a diagnostic and judicial post-mortem, with particular reference to sudden deaths	
	caused by cardiac problems and suicides.	
	3) Examination and assessment of the victim of rape with the application of consolidated	
	multidisciplinary protocols.	
	4) Examination and assessment of the victim of abuse within the family with special reference	
	to abuse of the elderly, women and children.	
	5) Individual identification on the living, cadavers and biological traces, by means of DNA.	
	6) Clinical Forensic Medicine with special assessment of the incapable patient.	
	() Evidence Based Medicine applied to Forensic Medicine.	
	Themes for Ocean offer al Medicines	
	1) Work hygiona	
	1) WOIK Hygielic.	
	healthcare service.	
	3) Assessment and prevention of chemical and cancer risks in the work environment, with	
	special reference to the healthcare service.	
	4) Occupational immunoprophylaxis.	
	5) Evidence Based Medicine applied to Occupational Medicine.	
	6) Examination and validation of new digital tools for the epidemiological surveillance of	
	ocupational accidents and diseases.	
	7) Occupational allergology and immunotherapy.	
	8) Examination and prevention of occupational Obstructive Sleep Apnea Syndrome (OSAS).	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	contact person of the Doctoral Course Prof. Francesco De Stefano at the following address:	
	<u>idesteiano(@unige.it</u> .	
	The name states and a mission factor of the sector of the life of the sector of the se	
	The name, status and service place of the referees chosen by the candidates must be stated in	
Fourier Lawrence	Inen applications.	
Foreign Languages	Eligiisii Contact nargon in administration:	
rurther information	Contact person in administration. Mr Giuseppe Zara	
	wi Giuseppe Zara giuseppe zara@unige it	
	<u>grusoppo.zara(a/unigo.n</u>	

Course in: HEALTH SCIENCES

Curriculum: NURSING (CODE 7113)

Coordinator: Viscoli Claudio)
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 1 – Grants: 1 (*).	
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM
procedure	
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della
	Salute – DISSAL), Room A, via Pastore 1, Genova.
Interview	3.7.2018 - 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della
	Salute – DISSAL), Room A, via Pastore 1, 16132 Genova.
Further information on	Please note that by qualifications/publications reference is made to the information in the
how to present	application and in the curriculum vitae et studiorum, the research project, other
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.
Exam Syllabus	The tests will concern topics relating to the research themes.
Research Themes	1. Patient safety and error risk prevention in assistance procedures.
	2. Prevention, education and assistance of people who suffer from chronic health problems.
	3. Family and Patient Centred Care and Child and family Centred Care
	4. Innovative training models and methodologies in healthcare.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	contact person of the Doctoral Course Prof. Loredana Sasso at the following address:
	<u>l.sasso@unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Contact person in administration:
	Mr Giuseppe Zara
	giuseppe.zara@unige.it

Course in: HEALTH SCIENCES

Curriculum: PREVENTION OF CANCER AND OF CHRONIC DEGENERATIVE DISEASES (CODE 7112)

Coordinator: Viscoli Claudio)	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)		
Places: 1 – Grants: 1 (*).		
(*) 1 grant from the Universi	(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	3.7.2018 - 9.00 am at the Department of Health Sciences (Dipartimento di Scienze della	
	Salute – DISSAL), Room A, via Pastore 1, Genova.	
Interview	3.7.2018 – 2.00 pm at the Department of Health Sciences (Dipartimento di Scienze della	
	Salute – DISSAL), Room A, via Pastore 1, Genova.	
Further information on	Please note that by qualifications/publications reference is made to the information in the	
how to present	application and in the curriculum vitae et studiorum, the research project, other	
qualifications/pubblications	qualifications/publications. The latter must not exceed 10 pages each.	
Exam Syllabus	The tests will concern topics relating to the research themes.	
Research Themes	1. Molecular epidemiology of tumours and other chronic-degenerative diseases.	
	2. Diet and pharmacological prevention of tumours.	
	3. Prevention of cardiovascular diseases, ophthalmic pathologies and neurodegenerative	
	forms.	
	4. Smoking related molecular alterations and tumours and their prevention.	
	5. Study of the factors of genetic predisposition to tumours.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	contact person of the Doctoral Course Prof. Alberto Izzotti at the following address:	
	<u>izzotti@unige.it</u> .	
	The name, status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Foreign Languages	English	
Further Information	Contact person in administration:	
	Mr Giuseppe Zara	
	giuseppe.zara@unige.it	

Course in: SCIENCE AND TECHNOLOGY OF CHEMISTRY AND MATERIALS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia - ITT)

Curriculum: DRUG DISCOVERY AND NANOBIOTECHNOLOGIES (CODE 7120)

Coordinator: Saccone Adrian	na	
Department of Chemistry and	Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 2 – Grants: 2 (*).		
(*) 2 grants funded by the Istituto Italiano di Tecnologia - IIT (Foundation of the Italian Institute of Technology), the annual		
gross amount of the grant, inc	luding social security expenses to be paid by the recipient, is \notin 16.500,00.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Assessable qualifications/publications:	
how to present	1. academic qualifications and relative marks;	
qualifications/pubblications	2. list of exams sat during university studies with relative marks;	
	3. reference letters (not more than three);	
	4. plan of a research project written in English;	
	5. CV;	
	6. other optional qualifications/publications (masters, post-university qualification courses,	
	publications in scientific journals, presentations in conferences, patents, study or research	
	awards).	
	All candidates must attach the certificates relative to all their study qualifications at university	
	level, with the corresponding marks, specifying the duration of the study cycles, to their	
	application in copies true to the original.	
	Foreign candidates must also clearly state the number of years which correspond to each	
	Study cycle carried out previous to University enrolment.	
	If admitted to the doctoral course, the candidate will carry out myner activity within the	
	synabus chosen for his/her project, but not necessarily on specific activities described in the	
Desearch Thomas	1 Exploring paper big interactions for the development of new drug delivery systems	
Research Themes	2 Development of colorimetric panosensors for POC and on-field diagnostics	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
intormation on references	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, only by	
	email to the following address: phd d3@iit it	
	The name status and service place of the referees chosen by the candidates must be stated in	
	their applications.	
Further Information	Dott. Pier Paolo Pompa	
	pierpaolo.pompa@iit.it	
	Contact person in administration	
	Dott.ssa Cecilia Cattaneo	
	(+39) 01071781442	
	cecilia.cattaneo@iit.it	

Curriculum: NANOCHEMISTRY (CODE 7119)

Coordinator: Saccone Adrian	18
Department of Chemistry and	Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)
Places : 8 – Grants : 8 (*).	
(*) 8 grants funded by the Isti	tuto Italiano di Tecnologia - IIT (Foundation of the Italian Institute of Technology), the annual
gross amount of the grant, inc	luding social security expenses to be paid by the recipient, is \notin 16.500,00.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS
procedure	
Further information on	Assessable qualifications/publications:
how to present	1. academic qualifications and relative marks;
qualifications/pubblications	2. list of exams sat during university studies with relative marks;
	3. reference letters (not more than three);
	4. plan of a research project written in English;
	5. CV;
	6. other optional qualifications/publications (masters, post-university qualification courses,
	publications in scientific journals, presentations in conferences, patents, study or research
	awards).
	All candidates must attach the certificates relative to all their study qualifications at university
	level, with the corresponding marks, specifying the duration of the study cycles, to their
	application in copies true to the original.
	Foreign candidates must also clearly state the number of years which correspond to each
	study cycle carried out previous to University enrolment.
	If admitted to the doctoral course, the candidate will carry out his/her activity within the
	syllabus chosen for his/her project, but not necessarily on specific activities described in the
Desservels Thereas	actual project.
Research Themes	1. Emergent hybrid nanostructures for light driven nano-batteries.
	2. Nanostructured materials for appreciations in electrocatalysis.
	5. Natiostructured materials for energy-related applications.
	4. Flashiolic, photonic, and electrical properties of metal and semiconductor hanosystems.
	5. Science and technology of 2D materials-based miks for polymer-composite applications.
	o. Micronuluc processes for the synthesis and sen-assembly of environmentally responsive
	polymens. 7 Development of stimuli, responsive polymeric/inorganic papoplatforms
	7. Development of stimuti-responsive polyment, morganic nanoplations.
	stem cells
Information on references	Candidates must choose not less than one and not more than three referees to support their
information on references	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, only by
	email to the following address: hdd nach@ijt it
	The name status and service place of the referees chosen by the candidates must be stated in
	their applications
Further Information	Contact person in administration
	Dott. Julia Manolache
	Tel: (+39) 01071781718
	iulia.manolache@iit.it
	iulia.manolache@iit.it

Coordinator: Saccone Adriar	la
Department of Chemistry and	Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)
Places : 4 – Grants : 2 (*).	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	12.7.2018 - 9 am at the Department of Chemistry and Industrial Chemistry (Dipartimento di
	Chimica e Chimica Industriale – DCCI), via Dodecaneso 31, Genova.
	Candidates who live more than 300 km away from Genoa may use the video-conference
	modality.
	Candidates must show an original identity document, a copy of which will have been
	submitted with the online application for identification purposes.
	The motivated request for video-conference modality must be sent within and not beyond
	22.6.2018 by email to the address: putti@fisica.unige.it.
Further information on	Assessable qualifications/publications:
how to present	1. academic qualifications and relative marks;
qualifications/pubblications	2. list of exams sat during university studies with relative marks;
	3. reference letters (not more than three);
	4. plan of a research project written in English;
	5. CV;
	6. other optional qualifications/publications (masters, post-university qualification courses,
	publications in scientific journals, presentations in conferences, patents, study or research
	awards).
	All candidates must attach the certificates relative to all their study qualifications at university
	level, with the corresponding marks, specifying the duration of the study cycles, to their
	application in copies true to the original.
	Foreign candidates must also clearly state the number of years which correspond to each study
	cycle carried out previous to University enrolment.
	If admitted to the doctoral course, the candidate will carry out his/her activity within the
	syllabus chosen for his/her project, but not necessarily on specific activities described in the
	actual project.
Exam Syllabus	During the interview candidates will be requested to illustrate the research project plan they
-	presented. The Examining Commission will examine content originality, feasibility and
	execution modalities of the Project, as well as its relevance to the research themes of this
	public exam, in order to evaluate the candidate's ability to develop a scientific project.
	Knowledge of English will also be verified during the interview.
Research Themes	Experimental investigation and analysis of the modelling of metallic, ceramic, polymeric,
	composite, biomolecular and biocompatible materials.
	Correlations between methods of production (synthesis, film deposition, crystal growth),
	structural, morphological, and chemical-physical characteristics and functional properties will
	be studied. As far as functional aspects are concerned, materials for photonics and plasmons,
	critically high temperature superconductors, materials for the production and storage of
	hydrogen, heterogeneous catalyst materials, electronic and magnetic devices, protective
	coatings, biomaterials will be studied. Characterization will concern structural, electronic and
	morphologic properties even in the form of films and multilayers, thin and ultrathin, with
	regard to growth mechanisms and nanostructuring. Crystal-chemical, electrochemical,
	thermal, magnetic and transport properties, and the microscopic study of tribological
	processes will also be taken into consideration. The technological aspects of new industrial,
	environmental and metallurgical catalytic processes will be studied and developed. All the
	above-mentioned themes will be developed both in the field of basic research and that of
	applied research (industrial processes, sensors, devices, conservation of the cultural heritage
	etc.).
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, only by
	email, to the following address: <u>putti@fisica.unige.it</u> .

Curriculum: SCIENCE AND TECHNOLOGY OF MATERIALS (CODE 7117)

	The name, status and service place of the referees chosen by the candidates must be stated in their applications
Foreign Languages	English
Further Information	Prof. Marina Putti
	(+39) 0103536383
	putti@fisica.unige.it
	Contact person in administration
	Mrs Noemi Pretelli
	(+39) 0103536161/8752
	noemi@chimica.unige.it

Curriculum: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 7116)

Coordinator: Saccone Adrian	1a	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)		
Places: $9(^{\circ})$ – Grants: $5(^{*})$.		
(*) 4 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28, on o	f which on thematics of the UN 2030 Agenda for Sustainable Goals	
(*) 1 grant co-funded by MIU	R/DCCI, the annual gross amount of the grant, including social security expenses to be paid by	
the recipient, is $\notin 15.343,28$.		
(°) 2 places reserved for grant	holders from abroad.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	11.7.2018 – 9.00 am at the Department of Chemistry and Industrial Chemistry (Dipartimento	
	di Chimica e Chimica Industriale – DCCI), via Dodecaneso 31, Genova.	
	Candidates who live more than 300 km away from Genoa may use the video-conference	
	modality.	
	Candidates must show an original document of identity, a copy of which will have been	
	submitted with the online application for identification purposes.	
	The motivated request for video-conference modality must be sent within and not beyond	
	29/6/2018 by email to the address: adriana.saccone@unige.it.	
Further information on	Assessable qualifications/publications:	
how to present	1. academic qualifications and relative marks;	
qualifications/pubblications	2. list of exams sat during university studies with relative marks;	
	3. reference letters (not more than three);	
	4. plan of a research project written in English;	
	5. CV;	
	6. other optional qualifications/publications (masters, post-university qualification courses,	
	publications in scientific journals, presentations in conferences, patents, study or research	
	awards).	
	All condidates much attach the contificates relative to all their study suclifications of university.	
	All candidates must attach the certificates relative to all their study qualifications at university	
	application in conjective to the original	
	application in copies rule to the original. Foreign candidates must also clearly state the number of years which correspond to each study.	
	cycle carried out previous to University enrolment	
	If admitted to the doctoral course, the candidate will carry out his/her activity within the	
	syllabus chosen for his/her project, but not necessarily on specific activities described in the	
	actual project	
Exam Syllabus	During the interview candidates will be requested to illustrate the research project plan they	
Exam Synabus	presented The Examining Commission will examine content originality feasibility and	
	execution modalities of the Project, as well as its relevance to the research themes of this	
	public exam, in order to evaluate the candidate's ability to develop a scientific project.	
	Knowledge of English will also be verified during the interview.	
Research Themes	- Chemistry and Physical Chemistry of photoactive materials.	
	- Nanoparticles for technological applications.	
	- Synthesis and study of crystal-chemical, thermal, magnetic and transport of oxides,	
	nitrides and carbides properties.	
	- Determination of chemical species of environmental and oceanographic interest.	
	- Development of chromatographic innovative methodologies coupled with mass	
	spectrometry.	
	- Analytic chemistry of trace elements.	
	- Chemistry of the polar environments.	
	- Chemical, enzymatic and organocatalytic synthesis of biologically active compounds.	
	- Synthesis and reactivity of heterocyclic compounds.	
	- Phase equilibria and thermodynamics of metallic materials: experimental and theoretical	
	aspects.	
	- Intermetallic compounds: synthesis, structure, properties and technological applications.	
	- Advanced metallic materials.	
	- Inorganic materials (metallic and refractory) for renewable energy.	
	- Polymeric materials, hybrid and nanocomposites.	
	- Polymeric nanostructures for photonics.	

	- Membranes and membrane processes
	- Chemistry for the study and preservation of the cultural heritage
	One of the grants will be based on the UN 2030 Agenda for Sustainable Goals.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, by only
	email, to the following address: adriana.saccone@unige.it. The name, status and service place
	of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Prof. Adriana Saccone
	(+39) 0103536154
	<u>adriana.saccone@unige.it</u>
	Contact person in administration
	Mrs Noemi Pretelli
	(+39) 0103536161/8752
	noemi@chimica.unige.it

Coordinator: Saccone Adriana Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI) **Places:** 4 – **Grants:** 3 (*). (*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.368,47. QUALIFICATIONS/PUBLICATIONS AND INTERVIEW **Comparative assessment** procedure 10.7.2018 - 9.30 am at the Department of Pharmacy (Dipartimento di Farmacia – DIFAR, Interview former venue of DISCIFAR), viale Benedetto XV 3, 16132 Genova. Candidates who live more than 300 km away from Genoa may use the video-conference modality. Candidates must show an original document of identity, a copy of which will have been submitted with the application for identification purposes. The motivated request for video-conference modality must be sent within and not beyond 25.6.2018 by email to the following address drava@difar.unige.it. Further information on Besides the usual qualifications/publications, the following are also required: 1. A Curriculum vitae et studiorum duly signed. It must comprise information on the how to present name/type and mark of the degree or an equivalent qualification (except for final year students qualifications/pubblications who have enrolled conditionally), the title and a brief description of the thesis (where requested), as well as a list of exams and relative marks. The CV may be written in Italian or in English. 2. A signed research project plan concerning the research theme of the doctoral course object of the application (a maximum of ten pages, written in Italian or English). 3. Any other qualifications/publications, certifications, deemed useful for admission (optional). Basic knowledge of Pharmaceutical and Toxicological Chemistry, Pharmaceutical **Exam Syllabus** Technology, Chemiometry, Organic and Macromolecular Chemistry, Phytochemistry, the Chemistry of Cosmetic Products, Foods Chemistry and Chemistry of Diet Products. Discussion of the degree dissertation and the research themes proposed. **Research Themes** 1. Study of active principles of natural origin and their structural modifications. 2. Design, synthesis and evaluation of the biologic activity of compounds of potential therapeutic interest such as antineoplastic and antiviral drugs. 3. Design, synthesis and evaluation of the biological activity of compounds with potential action on the cardiovascular system. 4. Rational design and synthesis of new compounds with anti-infective activities, with special reference to anti-tuberculosis activity. 5. Advanced computational methodological applications for the study of the ligando-receptor and ligando-enzyme interaction at molecular level. 6. Study and application of modern procedures with a low environmental impact to obtain nutritional bioactive compounds. Enhancement and characterization of food products and development of food suplements and innovative functional foods. 7. Design and execution of synthetic methodologies of biodegradable and non cytotoxic polyester dendrimers, functionalized amphiphilic drugs either with aminoacid mixtures including L-arginine for applications in gene therapy or with natural acids pharmacologically active for drug-delivery and nanomedicine. 8. Design and development of nanodispersion and microdispersion systems or with bioadhesive matrix, for drug delivery and drug targeting. 9. Spectroscopic methods and hyperspectral imaging for nutritional and environmental applications. Development and application of chemometric methods of multivariate analysis. Experimental design. 10. Resaerch on biologically active phytoconstituents. 11. Effects of trace metals on human health (environment, foods, drugs). 12. Application of microwave technology in organic and inorganic synthesis and methodologies of reaction without solvent ("Green Chemistry" procedures). 13. Application of microwaves for the preparation of the analytical sample in the study of active principles of botanical origin and in the analysis of cosmetic products. 14. Preparation, characterization and optimization of officinal galenic formulations. Candidates must choose not less than one and not more than three referees to support their **Information on references** candidature. These referees must be university professors or experts in the subject and it will

Curriculum: PHARMACEUTICAL, NUTRITIONAL AND COSMETIC SCIENCES (CODE 7118)

	be their concern to send reference letters, within the deadline of the public notice, by only
	email, to the following address: <u>schenone@difar.unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Contact person in administration
	Mrs Noemi Pretelli
	(+39) 0103536161/8752
	noemi@chimica.unige.it

Course in: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)

Curriculum: BIOLOGY APPLIED TO AGRICULTURE AND THE ENVIRONMENT (CODE 7122)

Coordinator: Firpo Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita -	
DISTAV)	
Places : 1 – Grants : 1 (*).	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	4.7.2018, 9.30 am at the Department of Earth, Environmental and Life Sciences (Dipartimento
	di Scienze della terra, dell'ambiente e della vita – DISTAV), Room Perrier, corso Europa 26,
	Genova.
	The interviews may continue on 5.7.2018.
	Upon explicit request and before the deadline for the application, the interview may also take
	place electronically (video conference via Skype) by contacting the person in charge of this
	curriculum:
	Prof. Mauro Mariotti
	(+39) 0103538139
	<u>m.mariotti(a)unige.it</u>
	(+39) 3280170320
Further information on	At the risk of exclusion, candidates, in order to access the curriculum, must attach a project on
how to present	the proposed research theme. The project will also be evaluated for its feasibility.
qualifications/pubblications	Please note that the choice of the theme of the research project will not change the graduate
	student's legal status concerning the object of the research activity that will be carried out
	during the doctoral course, according to the Teaching Body's indications.
	By quantications/publications reference is made to the information in the application and in the attached documents
	At the risk of evolution the following documents must be attached to the application:
	a) a curriculum vitae et studiorum (not more than 10 nages long):
	b) a research project concerning one of the five themes of the doctoral course the application
	is for (not more than 10 pages long):
	c) a document containing the title of the thesis and a brief description of it as well as a list of
	eyams sat with the relative marks:
	d) any other qualifications/publications relevant to the research thematics of the course (not
	more than 10 pages long).
	e) a minimum of one to a maximum of three reference letters.
	Besides English and Italian, candidates can send their applications and the attached documents
	in Spanish or French.
Exam Syllabus	The interview will concern both an in depth discussion of the activities carried out by the
-	Candidates and their mastery of the work tools and experimental methodologies relative to the
	field of research envisaged in the project they have presented.
Research Themes	The doctoral course (curriculum in Biology applied to agriculture and the environment) will
	deal with the following research theme: "Characteristics and roles of plants in relation to
	pollution and metalliferous soils with particular reference to the relationships between plants
	and other biotic components".
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters in pdf format, within the deadline of the application
	for the public notice, to the person in charge of the curriculum Prof. Mauro Mariotti,
	<u>m.mariotti@unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in
	Inter applications.
Foreign Longuages	Letters which have not been sent directly by the referees will not be taken into consideration.
Foreign Languages	English of Flench of Spanish.
rurther information	PIOI. IVIAUIO IVIAFIOUI Diportimento di Sojenze delle terre, dell'embiente e delle vite (DISTAN)
	Corso Europa 26
	Loiso Europa 20 16132 Genova
	(+30) 0103538130
	(+37) 0103330137 (+30) 3280170320
	mariotti@unige_it
	111.110017001(0/011150.10

Course in: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)

Curriculum: MARINE SCIENCES (CODE 7123)

E

Coordinator: Firpo Marco		
Department of Earth, Environ DISTAV)	Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: $5(^\circ)$ – Grants: $2(^*)$		
(*) 2 grants from the Univers	ity the annual gross amount of the grant including social security expenses to be paid by the	
recipient, is € 15.343,28.	,	
(°) 1 place reserved for grant l	nolders from abroad.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	4.7.2018, 9.30 am at the Department of Earth, Environmental and Life Sciences (Dipartimento	
	di Scienze della terra, dell'ambiente e della vita – DISTAV), Room Perrier, corso Europa 26,	
	Genova.	
	The interviews may continue on 5.7.2018.	
	Upon request, the interview may also take place electronically (video conference via Skype)	
	by contacting the person in charge of this curriculum in time.	
	Prof. Giorgio Bavestrello	
	Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV)	
	(+39) 010 3538031	
	giorgio.bavestrello@.unige.it	
Further information on	Please note that the choice of the theme of the research project will not change the graduate	
how to present	student's legal status concerning the object of the research activity that will be carried out	
qualifications/pubblications	during the doctoral course, according to the Teaching Body's indications.	
	By qualifications/publications reference is made to the information in the application and in	
	the attached documents.	
	At the risk of exclusion the following documents must be attached to the application:	
	a) a curriculum vitae et studiorum (not more than 10 pages iong),	
	b) a research project concerning one of the rive themes of the doctoral course the application is for (not more than 10 pages long):	
	c) a document containing the title of the thesis and a brief description of it as well as a list of	
	eyams sat with the relative marks:	
	d) any other qualifications/publications relevant to the research thematics of the course (not	
	more than 10 pages long):	
	e) a minimum of one to a maximum of three reference letters.	
	Besides English and Italian, candidates can send their applications and the attached documents	
	in Spanish or French.	
Exam Syllabus	The interview will concern both an in depth discussion of the activities carried out by the	
	Candidates and their mastery of the work tools and experimental methodologies relative to the	
	field of research envisaged in the project they have presented.	
Research Themes	The research themes can be summarized as follows:	
	a) The study of marine biodiversity and its distribution and conservation. Description of the	
	structure, dynamics and interactions of benthic and planktonic communities.	
	Study of the plankton communities and trophic state of the water column.	
	b) Study of the biology of fish species and of the great pelagic organisms.	
	c) Study of the different aspects of the physiology of organisms and their interactions also in	
	d) Influence of endegenous, environmental and enthronogenic factors on the health of	
	d) influence of endogenous, environmental and antihopogenic factors of the health of	
	e) Study and characterization of natural compounds (e.g. secondary metabolites from marine	
	organisms) and of their possible biological activity Biotechnological aspects	
	f) Marine geology and geomorphology and analysis and management of coastal areas	
	g) Study of the effects of climate change on marine communities. Alien species, Ecology of	
	toxic microalgae.	
	h) Experimental aquaculture and stress factors in bred organisms.	
	i) Development of protocols, techniques and instruments for the environmental management	
	of marine areas (software and hardware).	
	1) Abiotic factors and fluxes of matter and energy in the ecosystem.	
Information on references	Candidates must choose not less than one and not more than three referees to support their	
	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters in pdf format, within the deadline of the application	
	for the public notice, to the person in charge of the curriculum, Prof. Giorgio Bavestrello,	

	giorgio.bavestrello@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English
Further Information	Prof. Giorgio Bavestrello
	Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV)
	corso Europa 26
	16132 Genova
	(+39) 0103538031
	giorgio.bavestrello@unige.it

Course in: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)

Curriculum: EARTH SCIENCES (CODE 7121)

Coordinator: Firpo Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita -	
DISTAV)	
Places : 4 (°) – Grants : 3 (*).	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
(*) 1 grant funded by $D\overline{ISTA}$	V, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
(°) 1 place reserved for grant	holders from abroad.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	4.7.2018, 9.30 am at the Department of Earth, Environmental and Life Sciences (Dipartimento
	di Scienze della terra, dell'ambiente e della vita – DISTAV), Room Perrier, corso Europa 26,
	Genova.
	The interviews may continue on 5.7.2018.
	Upon request, the interview may also take place electronically (video conference via SKYPE)
	by contacting the person in charge of this curriculum in time:
	Prof. Marco Firpo
	Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV)
	(+39) 0103538272
	firpo@dipteris.unige.it
	(+39) 3201812987
Further information on	Please note that the choice of the theme of the research project will not change the graduate
how to present	student's legal status concerning the object of the research activity that will be carried out
qualifications/pubblications	during the doctoral course, according to the Teaching Body's indications.
	By qualifications/publications reference is made to the information in the application and in
	the attached documents.
	The following documents must be attached to the application:
	a) a curriculum vitae et studiorum (not more than 10 pages long);
	b) a research project plan concerning one or more of the themes of the doctoral course the
	application is for (not more than 10 pages long);
	c) a document containing the title of the thesis and a brief description of it, as well as a list of
	exams sat with the relative marks,
	u) any other quantications/publications relevant to the research thematics of the course (not more than 10 pages long):
	a) a minimum of one to a maximum of three reference letters
	b) a minimum of one to a maximum of three reference reflects. Besides English and Italian, candidates can send their applications and the attached documents
	in Spanish or French
Evam Syllabus	The interview will concern both an in denth discussion of the activities corried out by the
Exam Synabus	The interview will concern bour an in deput discussion of the activities carried out by the Candidates and their mastery of the work tools and experimental methodologies relative to the
	field of research envisaged in the project they have presented
Research Thomas	The research themes of the syllahus are oriented at describing and interpreting endogenous
	and exogenous processes of the system Farth integrating the vast spectrum of geosciences
	(disciplinary fields such as geology geomorphology mineralogy crystallography
	geochemistry, structural geology, netrology mining geology stratigraphy naleontology
	geophysics). The main objective of the svllabus is to create professional figures and voung
	researchers canable of using advanced scientific competences and analytical frontier
	technologies to describe and model the processes that regulate endogenous and exogenous
	earth dynamics, as well as lithosphere-biosphere and lithosphere-hydrosphere interactions.
	The research themes can be summarized as follows:
	1. Study and modelling of the chemical and tectonic evolution of the lithosphere in convergent
	and extensional environments;
	2. Study of the processes responsible for the genesis and evolution of the land relief forms;
	3. Finding and use of natural resources, water, energy producing, mineral and lithoid, and the
	management and enhancement of the relative residues;
	4. Evaluation and mitigation of the geological and geoenvironmental risks deriving from
	catastrophic events both natural and anthropic;
	5. Territorial defence and planning;
	6. Conservation of the natural-landscape, archaeological-monument heritage and the cultural
	heritage;
	7. Determining and forecasting geomaterial behaviour at various temperatures and pressures

	as a contribution to the solution of both scientific and applicable problems;
	8. Interdisciplinary study of the interaction of mineral phases with the biosphere and the
	consequent releasing, transport and capturing processes of organic and inorganic chemical
	species.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters in pdf format, within the deadline of the application
	for the public notice, to the person in charge of the curriculum: <u>firpo@dipteris.unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
	Letters which have not been sent directly by the referees will not be taken into consideration.
Foreign Languages	English
Further Information	Prof. Marco Firpo
	Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)
	corso Europa 26
	16132 Genova
	(+39) 0103538272
	firpo@dipteris.unige.it
	(+39) 3201812987

Course in: SCIENCE AND TECHONOLOGY FOR ELECTRICAL ENGINEERING, MARINE ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: ELECTRICALAL ENGINEERING (CODE 7124)

Coordinator: Marchesoni Ma	Coordinator: Marchesoni Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,		
elettrica, elettronica e delle tel	ecomunicazioni – DITEN)	
Places : 4 – Grants : 3 (*).		
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
(*) 1 grant funded by Schneid	ler Electric S.p.A., the annual gross amount of the grant, including social security expenses to	
be paid by the recipient, is \in	15.343,28.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS	
procedure		
Further information on	Candidates must present:	
how to present	1) a research project 10 pages long maximum;	
qualifications/pubblications	2) an updated CV;	
	3) a brief abstract of the specialist degree thesis.	
	Italian students who have not vet got their degree must present a list of exams they did for	
	their 5-year degree course with the marks.	
Research Themes	(A) Automation: Industrial, of processes and transport. Models of producer plants.	
	Management monitoring and control of electrical systems Innovative techniques and	
	optimization for the design of electromagnetic devices. Electrical working for robotics	
	manufacturing automation and processes. Advanced applications of instruments and camp	
	huses	
	(B) Energy Protection against electrostatic hazards Evaluation of isolation defects with	
	measurement of partial discharges. Technical and economic evaluations for market energy	
	Distributed generation Service quality Design of switches machines electrical actuator and	
	magnetic devices for energy storage. Static energy convertors	
	(C) Electronics: Model systems and electronic power components. Advanced control	
	techniques for converters. Advanced control techniques against electrostatic discharges from	
	electronic devices. Models of complex systems. Analysis and synthesis of circuits and non	
	linear dynamic systems. Neural networks, Electronic systems design	
	(D) Industrial electromagnetic compatibility: Electromagnetic compatibility among electrical	
	(D) industrial electronic and communications systems. Models, simulations and measuring methods	
	Numeric current (electrical) models of lightning Electromagnetic models with full Maxwell	
	approach	
	(E) Transport: Systems for the management and control of traffic. Models for DAMS	
	(E) Transport. Systems for the management and control of transport. Finance monogement of electric	
	and hybrid vabialas. Disgnastics of electric traction angings. Electrical working for traction	
	and hybrid vehicles. Diagnostics of electric traction engines. Electrical working for traction	
	(E) Environment: Numeric simulation and measuring and field reduction techniques	
	(r) Environment. Numeric simulation and measuring and neid reduction techniques.	
T. C	Optimized design of low emission devices. Low environmental impact systems.	
information on references	Candidates must choose not less than one and not more than three referees to support then	
	candidature. These referees must be university professors of experts in the subject and it will be their suprements and reference letters, within the deadline of the public retires to the	
	be then concern to send reference retters, within the deadline of the public house, to the	
	Coordinator of the Doctoral Course at the following address. <u>mario.marcheson(a)unge.it</u> .	
	The name status and complete place of the reference abases by the condidates must be stated in	
	their employed and service place of the referees chosen by the candidates must be stated in	
Fourier Longueros	English	
Foreign Languages	Eligiisii Deef Maria Marakasani	
Further Information	Prof. Mario Marchesoni	
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)	
	Via all'Opera Pia Tia,	
	10143 Genova	
	<u>mario.marcnesoni(@/unige.it</u>	
	(+39) 0103532183	
	Lease Desce III	
	Laura Brunelli	
	(+39) 0103532286	

Course in: SCIENCE AND TECHONOLOGY FOR ELECTRICAL ENGINEERING, MARINE ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: MARINE ENGINEERING (CODE 7125)

Coordinator: Marchesoni Ma	urio
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,	
elettrica, elettronica e delle tel	ecomunicazioni – DITEN)
Places : 4 – Grants : 3 (*).	
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
(*) 1 grant co-funded by MIU	R/DITEN (European project H2020 "Robins"), the annual gross amount of the grant, including
social security expenses to be	paid by the recipient, is \notin 15.343,28.
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview:	16.7.2018 – 10.00 am, at the Department of Marine, Electrical, Electronic and
	della talagamunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e
	delle telecomunicazioni – DITEN), Polo Navale, via Montallegro I, Genova.
	on request, the interview may also take place electronically (video conference via SKYPE) by gotting in touch with the context person of the curriculum Drof. David Druzzone:
	dario bruzzone@unice it at least a week beforehand
Further information on	Candidates must present:
how to present	1) a research project plan 10 pages long maximum.
qualifications/pubblications	2) an updated CV:
4	3) a brief abstract of the specialist degree thesis.
	Italian students who have not yet got their degree must present a list of exams they did for
	their 5-year degree course with the marks.
Research Themes	Marine Architecture Sector: Study and application of methods to evaluate movements of the
	ship, of the dynamic cargoes and of the added resistance; Study and application of
	experimental and numeric methods for the manoeuvrability of the ship; SPH methods for the
	simulation of non-stationary hydrodynamic fluxes with free surface; Study of cavitation
	phenomena of marine propellers and of their effect in terms of induced pressure and radiated
	noise; Development of solutions for viscous flows related to ships on the basis of open source
	libraries; Study and development of design methods for special propellers; Dynamic analysis
	of the performance of properling systems and of marine plants with simulation techniques;
	optimization of the ship's hydrodynamic performances and ship safety, innovative project methods within a life avala perspective. Integration of the human factor for the safety and
	operativeness of the ship: Study of the hydrodynamic performance of innovative marine
	vehicles. Studio delle prestazioni idrodinamiche di veicoli marini innovativi
	venieres. Studio dene prestazioni tarounamene di vereon marini innovativi.
	Marine Constructions and Plants Sector: Study and design of offshore devices for
	renewable energy: Fatigue analysis of ship structures and components: Study of marine
	structures in composite materials: Analysis of buckling phenomena in shipbuilding:
	Reliability of marine structures and risk analysis; Design and construction methods to increase
	competitiveness in national shipbuilding; Fluid-structure interaction analysis; Inspection
	techniques, monitoring and maintenance for shipbuilding and marine constructions;
	Simulation and optimization of marine propelling systems; Activations for marine systems.
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	contact person for the curriculum at the following email address: <u>dario.bruzzone@unige.it.</u>
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
Foreign Languages	English Deof. Device Device on a
r urtner information	PIOI. D'allo BIUZZONE Dipartimente di Ingegneria navale elettrica elettronica e della telecomunicazioni (DUTENI)
	via all'Opera Pia 11a I
	16145 Genova
	dario bruzzone@unige it
	(+39) 0103532427
	(
	Laura Brunelli

brunelli@dinav.unige.it (+39) 0103532286

Course in: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia -ITT)

Curriculum: INTERACTIVE COGNITIVE ENVIRONMENTS (CODE 7128)

Coordinator: Marchese Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,	
elettrica, elettronica e delle tel	ecomunicazioni – DITEN)
Places : 2 – Grants : 1 (*).	
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 16.500,00.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	16.7.2018 - 3.00 pm at the Department of Marine, Electrical, Electronic and
	Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e
	delle telecomunicazioni – DITEN), via Opera Pia 11A, Genova.
	The interviews may also take place electronically with a Skype connection, video included to
	check identity, on request to the Coordinator of the Doctoral Course, Prof. Mario Marchese,
	by email to mario.marchese@unige.it and phd-stiet@diten.unige.it, adding one's Skype
	account in the request.
Further information on	In presenting their CV, it is important for candidates to highlight the following features as
how to present	they will be used as evaluative parameters: publications done (e.g. in International Journals,
qualifications/pubblications	International Conferences, Book Chapters), the degree mark (or equivalent qualification)
	obtained, work experience and acquired skills.
	It is also important for candidates to highlight the following features when presenting their
	research project as they will be used as evaluative parameters: Relevance to the research
	themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear
	presentation/exposition.
	A possible outline for the presentation of the research project plan, which should not exceed
	10 pages, is the following:
	- motivations and logic foundation;
	- state of the art,
	- objectives,
	- methods employed,
	- expected outcomes:
	- hibliography
Exam Syllahus	The interview aims at evaluating the candidates' competences in relation to the research
	themes listed and methodological abilities to face research problems. Furthermore, the
	interview will also deal with the thematics of the research project presented by the candidate.
Research Themes	1) Study and implementation of an innovative IoT system for rehabilitation and coaching of
	post-ictus patients in households.
	2) Web-based platforms for medical imaging and surgical and rehabilitation therapy for
	musculoskeletal system pathologies.
	3) Development of an artificial tactile sensing and cutaneous electrostimulation system for the
	restoration of the sense of touch in patients with sensory deficits.
	4) Probabilistic graphical models and deep neural networks for very high-resolution remote
	sensing image interpretation.
	5) Satellite Networks in the 5G Ecosystem.
	6) Security issues over telecommunications networks over smart cities/smart industries.
	7) Behaviour-based malware detection by machine-learning algorithms.
	8) Cells illuminated by electromagnetic radiation in the near-infrared band: modelling,
	simulation and analysis of their reactions.
	9) Big-data techniques for crowd behaviour analysis in smart environments.
	10) Automatic learning of dynamic jamming models for physical layer security in Cognitive
	Radios.
	11) A machine learning approach for interaction detection in egocentric videos.
	12) Embedding Machine Learning in IoT devices: approximate techniques to reduce
	computing hardware resources without quality reduction.
	13) Wireless Sensor Networks for Environmental Monitoring.
	14) Energy harvesting Techniques for Wireless Sensor Networks.
	15) 5th-generation mobile radio networks (5G): topics in network virtualization, dynamic

	resource allocation, Mobile Edge Computing and security.
	16) Intelligent framework for Text Mining and Sentiment Analysis.
	17) Computing architectures for the Internet-of-Things: from the Cloud to the Edge.
	Applications in games, education, autonomous vehicles, health.
	18) Domain-Specific Architecture (DSA) on FPGA for AI and new generation Neural
	Networks. Applications in games, education, autonomous vehicles, health.
	More detailed information on the specific themes at: <u>http://www.phd-stiet.diten.unige.it</u>
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following addresses: mario.marchese@unige.it;
	phd-stiet@diten.unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
	The candidates' aptitude for scientic research must emerge from the contents of the reference
	letters.
Foreign Languages	English
Further Information	Prof. Mario Marchese
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)
	via Opera Pia 13
	16145 Genova
	mario.marchese@unige.it
	Unità di supporto alla didattica DITEN (DITEN Didactic Support Unit – Didactic Office)
	Ufficio Didattica)
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)
	via Opera Pia 13
	16145 Genova
	phd-stiet@diten.unige.it

Course in: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia -ITT)

Curriculum: ELECTROMAGNETISM, ELECTRONICS, TELECOMMUNICATIONS (CODE 7127)

Coordinator: Marchese Mario		
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,		
elettrica, elettronica e delle telecomunicazioni – DITEN)		
Places : 4 – Grants : 3 (*).	Places: 4 – Grants: 3 (*).	
(*) 3 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 16.500,00.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	16./.2018 – 9.00 am at the Department of Marine, Electrical, Electronic and	
	delle telecomunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e	
	The interviews may also take place electronically with a Skype connection video included to	
	check identity on request to the Coordinator of the Doctoral Course. Prof. Mario Marchese	
	by email to mario marchese@unige.it and phd-stiet@diten.unige.it., adding one's Skype	
	account in the request.	
Further information on	In presenting their CV, it is important for candidates to highlight the following features as	
how to present	they will be used as evaluative parameters: publications done (e.g. in International Journals,	
qualifications/pubblications	International Conferences, Book Chapters), the degree mark (or equivalent qualification)	
	obtained, work experience and acquired skills.	
	It is also important for candidates to highlight the following features when presenting their	
	research project as they will be used as evaluative parameters: Relevance to the research	
	themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear	
	A possible outline for the presentation of the research project plan, which should not exceed	
	10 pages is the following:	
	- motivations and logic foundation.	
	- state of the art:	
	- objectives;	
	- methods employed;	
	- preliminary workplan;	
	- expected outcomes;	
	- bibliography.	
Exam Syllabus	The interview aims at evaluating the candidates' competences in relation to the research	
	themes listed and methodological abilities to face research problems. Furthermore, the	
Dessent Themes	interview will also deal with the thematics of the research project presented by the candidate.	
Research Themes	1) Study and implementation of an innovative for system for renabilitation and coaching of post jetus patients in households.	
	2) Web-based platforms for medical imaging and surgical and rehabilitation therapy for	
	musculoskeletal system pathologies.	
	3) Development of an artificial tactile sensing and cutaneous electrostimulation system for the	
	restoration of the sense of touch in patients with sensory deficits.	
	4) Probabilistic graphical models and deep neural networks for very high-resolution remote	
	sensing image interpretation.	
	5) Satellite Networks in the 5G Ecosystem.	
	6) Security issues over telecommunications networks over smart cities/smart industries.	
	() Behaviour-based malware detection by machine-learning algorithms.	
	8) Cells illuminated by electromagnetic radiation in the hear-initiated band, modelling,	
	9) Big-data techniques for crowd behaviour analysis in smart environments	
	10) Automatic learning of dynamic jamming models for physical layer security in Cognitive	
	Radios.	
	11) A machine learning approach for interaction detection in egocentric videos.	
	12) Embedding Machine Learning in IoT devices: approximate techniques to reduce	
	computing hardware resources without quality reduction.	
	13) Wireless Sensor Networks for Environmental Monitoring.	
	14) Energy harvesting Techniques for Wireless Sensor Networks.	
	15) 5th-generation mobile radio networks (5G): topics in network virtualization, dynamic	
	resource allocation, Mobile Edge Computing and security.	
	16) Intelligent framework for Text Mining and Sentiment Analysis.	

	17) Computing architectures for the Internet-of-Things' from the Cloud to the Edge
	Amplications in games education autonomous vehicles health
	18) Domain Spacific Arabitatura (DSA) on EPCA for AI and new generation Neural
	18) Donan-spectric Architecture (DSA) on FFGA to Ar and new generation Neural
	Networks. Applications in games, education, autonomous vehicles, health.
	More detailed information on the specific themes at: <u>http://www.phd-stiet.diten.unige.it</u>
Information on references	Candidates must choose not less than one and not more than three referees to support their
	candidature. These referees must be university professors or experts in the subject and it will
	be their concern to send reference letters, within the deadline of the public notice, to the
	Coordinator of the Doctoral Course at the following addresses: mario marchese@unige.it:
	phd-stiet@diten unige it
	The name, status and service place of the referees chosen by the candidates must be stated in
	their applications.
	The candidates' aptitude for scientic research must emerge from the contents of the reference
	letters
Foreign Longuages	English
Foreign Languages	
Further Information	Prof. Mario Marchese
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)
	via Opera Pia 13
	16145 Genova
	mario.marchese@unige.it
	Unità di supporto alla didattica DITEN (DITEN Didactic Support Unit – Didactic Office)
	Ufficio Didattica)
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)
	Dipartimento di ingegneria navare, elettrica, elettronica è dene telecomunicazioni (DITEN)
	16145 Genova
	phd-stiet@diten.unige.it

Course in: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia -ITT)

Curriculum: COMPUTATIONAL VISION, AUTOMATIC RECOGNITION AND LEARNING (CODE 7129)

Coordinator: Marchese Mari	Coordinator: Marchese Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale,		
elettrica, elettronica e delle telecomunicazioni – DITEN)		
Places : 6 – Grants : 5 (*).		
(*) 5 grants funded by the Isti	tuto Italiano di Tecnologia - IIT (Foundation of the Italian Institute of Technology), the annual	
gross amount of the grant, inc	luding social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
procedure		
Interview	16.7.2018 – 11.00 am at the Istituto Italiano di Tecnologia (IIT), Via Morego 30, Genova	
	The interviews may also take place electronically with a Skype connection, video included to	
	check identity, on request to the Coordinator of the Doctoral Course, Prof. Mario Marchese,	
	by email to mario.marchese@unige.it and to Prof. Vittorio Murino, vittorio.murino@iit.it.	
Further information on	In presenting their CV, it is important for candidates to highlight the following features as	
how to present	they will be used as evaluative parameters: publications done (e.g. in International Journals,	
qualifications/pubblications	International Conferences, Book Chapters), the degree mark (or equivalent qualification)	
1	obtained, work experience and acquired skills.	
	It is also important for candidates to highlight the following features when presenting their	
	research project as they will be used as evaluative parameters: Relevance to the research	
	themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear	
	presentation/exposition.	
	A possible outline for the presentation of the research project plan, which should not exceed	
	10 page, is the following:	
	- motivations and logic foundation;	
	- state of the art;	
	- objectives;	
	- methods employed;	
	- preliminary workplan;	
	- expected outcomes;	
	- bibliography.	
	Further details for the preparation of the research project are available in a document at the	
	following address: <u>https://pavisdata.iit.it/data/phd/ResearchProjectTemplate_2018.pdf.</u>	
Exam Syllabus	The interview aims at evaluating the candidates' competences in relation to the research	
	themes listed and methodological abilities to face research problems. Furthermore, the	
	interview will also deal with the thematics of the research project plan presented by the	
	candidate.	
Research Themes	Theme A: Computer vision for behavioural analysis and activity recognition.	
	Theme B: Computer vision for the prediction of human intentions and activities.	
	Theme C: Human body modelling for Socially-Aware Computer Vision.	
	Theme D: Crowd behavioural analysis and event recognition.	
	Theme E: Re-identification.	
	Theme F: Multi-modal scene understanding.	
	Theme G: Biomedical imaging.	
	Theme H: Animal behaviour analysis.	
	Einsther details on gradific themes are quailable in a decument of the following address:	
	https://payiedata.jit.it/data/phd/DasaarahTapies2018_UT_DAVUS.pdf	
Information on references	Candidates must above not less than and not more than three reference to surrest their	
information on references	candidature. These referees must be university professors or experts in the subject and it will	
	be their concern to send reference letters, within the deadline of the public notice, to the	
	Coordinator of the Doctoral Course Prof. Mario Marchase at the following addresses	
	mario marchese@unige it and to Prof Vittorio Murino at vittorio murino@iit it	
	The name status and service place of the referees chosen by the condidates must be stated in	
	their applications	
	The candidates' antitude for scientic research must emerge from the contents of the reference	
	letters	
Foreign Languages	English	
Further Information	Prof. Mario Marchese	
---------------------	---	
	Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)	
	via Opera Pia 13	
	16145 Genova	
	mario.marchese@unige.it	
	Prof. Vittorio Murino, Ph.D.	
	Director, PAVIS - Pattern Analysis & Computer Vision	
	IIT Istituto Italiano di Tecnologia	
	Via Morego 30	
	16163 Genova	
	<u>vittorio.murino@iit.it</u>	

Curriculum: ENDOCRINOLOGY AND DIABETOLOGY (CODE 7133)

Coordinator:	Minetti Carlo
Department o	f Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di
Neuroscienze,	riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)
Places: 1 – Gi	:ants : 1 (*).
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is €	15.343,28
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze
	materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16),
	first floor, via G. Gaslini 5, Genova.
Exam	Contents of the interview:
Syllabus	- previous research experience, including research carried out for the degree dissertation;
	- ideas for projects;
	- knowledge of basic methodologies for clinical and laboratory research;
-	- knowledge of English.
Research	In depth study of new methods to diagnose and treat endocrine and metabolic pathologies in children and
Themes	adolescents, with special attention to diseases of the hypothalamus and hypophysis which concern the
	network of the complex endocrine metabolic system, to the pathologies of the median line associated to
	endocrine pathologies and to the various organ diseases, including diabetes mellitus.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These
on	referees must be university professors or experts in the subject and it will be their concern to send reference
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti
	minettic@unige.it and copy to: rosanna.rizzo@unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in their
	applications.
Foreign	English
Languages	

Curriculum: GENETICS (CODE 7130)

Coordinator: M	inetti Carlo
Department of N	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di
Neuroscienze, ria	bilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)
Places: 1 - Gran	ts: 1 (*)
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze
	materno-infantili - DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione
	16), first floor, via G. Gaslini 5, Genova.
Exam Syllabus	Contents of the interview:
	- previous research experience, including research carried out for the degree dissertation;
	- ideas for projects;
	- knowledge of basic methodologies for clinical and laboratory research;
	- knowledge of English.
Research	- New knowledge concerning the human genome, including investigations with new technologies;
Themes	- Identification of disease genes, their mutations, their consequences in the disease mechanism at a
	molecular and cellular level and correlations with the clinical phenotype;
	- Singling out of specific aspects of the pathogenic mechanisms that can become the targets for therapeutic
	approaches;
	- Gene structure and control of gene expression.
Information on	Candidates must choose not less than one and not more than three referees to support their candidature.
references	These referees must be university professors or experts in the subject and it will be their concern to send
	reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof.
	Carlo Minetti <u>minettic@unige.it</u> and copy to: <u>rosanna.rizzo@unige.it</u> .
	The name, status and service place of the referees chosen by the candidates must be stated in their
	applications.
Foreign	English
Languages	

Curriculum: MUSCULAR, NEURODEGENERATIVE AND METABOLIC DISEASES IN CHILDREN AND ADOLESCENTS (CODE 7132)

Coordinator:	Minetti Carlo		
Department o	Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di		
Neuroscienze,	riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)		
Places: 1 – Gi	:ants : 1 (*).		
(*) 1 grant fro	m the University, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is €	15.343,28.		
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
assessment			
procedure			
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and		
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze		
	materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16),		
	first floor, via G. Gaslini 5, Genova.		
Exam	Contents of the interview:		
Syllabus	- previous research experience, including research carried out for the degree dissertation;		
	- ideas for projects;		
	- knowledge of basic methodologies for clinical and laboratory research;		
D	- knowledge of English.		
Research	in depth study of new methods to prevent, diagnose and treat neuropediatric pathologies in children and		
Inemes	adolescents, with special altention to neuromuscular diseases, neurodegenerative, neuro-metabolic and in		
	general gene-metabolic pathologies, to epilepsies of generic origin in cintumood which may involve neurosurgery to the defects of the neural tube and of cortical migration and to neurofibromatosis		
	Molecular and environmental factors of the development of the nervous system will be studied as well as the		
	etiological and nathogenetic aspects of congenital hypotonia primitive myonathies spinal muscular		
	atrophies mitochondrial encephalonathies leukoencephalonathies enilentic encephalonathies and metabolic		
	encephalonathies		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These		
on	referees must be university professors or experts in the subject and it will be their concern to send reference		
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti		
	minettic@unige.it and copy to: rosanna.rizzo@unige.it.		
	The name, status and service place of the referees chosen by the candidates must be stated in their		
	applications.		
Foreign	English		
Languages			

Curriculum: FOETAL-PERINATAL AND PAEDIATRIC PATHOLOGY (CODE 7131)

Coordinator: M	inetti Carlo	
Department of N	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di	
Neuroscienze, ria	bilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)	
Places: 1 - Gran	its: 1	
(*) 1 grant funde	d by IRCCS Istituto G. Gaslini, the annual gross amount of the grant, including social security expenses to	
be paid by the red	be paid by the recipient, is € 15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and	
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze	
	materno-infantili - DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione	
	16), first floor, via G. Gaslini 5, Genova.	
Exam Syllabus	Contents of the interview:	
	- previous research experience, including research carried out for the degree dissertation;	
	- ideas for projects;	
	- knowledge of basic methodologies for clinical and laboratory research;	
	- knowledge of English.	
Research	- Isolated malformation pathology or inserted in syndromic pictures;	
Themes	- pathology of foetal development and maturation of the foetus and of the consequent adaptive capacities	
	at the moment of birth;	
	- placental pathology linked to preterm deliveries and to serious premature births;	
	- foetal, neonatal and paediatric cardiovascular pathology;	
	- neonatal neurological damage;	
	- dysplastic and teratomatous pathology;	
T C ()	- neoplastic pathology.	
Information on	Candidates must choose not less than one and not more than three referees to support their candidature.	
references	These referees must be university professors or experts in the subject and it will be their concern to send	
	reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof.	
	The normal status and carries place of the reference chosen by the condideted must be stated in their	
	and and service place of the referees chosen by the candidates must be stated in their	
Foreign	applications.	
r oreign	Eligitsii	
Languages		

Curriculum: PAEDIATRIC RHEUMATOLOGY (CODE 7134)

Coordinator:	Minetti Carlo	
Department of	f Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di	
Neuroscienze,	riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)	
Places: 2 – Gr	ants: 1 (*).	
(*) 1 grant co-	funded by MIUR/DINOGMI, the annual gross amount of the grant, including social security expenses to be	
paid by the rec	ipient, is € 15.343,28.	
Comparative	tive QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and	
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze	
	materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16),	
	first floor, via G. Gaslini 5, Genova.	
Exam	Contents of the interview:	
Syllabus	- previous research experience, including research carried out for the degree dissertation;	
	- ideas for projects;	
	- knowledge of basic methodologies for clinical and laboratory research;	
	- knowledge of English.	
Research	In depth study of new methods for the diagnosis and treatment of paediatric rheumatic diseases, with special	
Themes	attention concerning Juvenile Idiopathic Arthritis and other diseases of autoimmune origin and	
	autoinflammatory syndromes.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These	
on	referees must be university professors or experts in the subject and it will be their concern to send reference	
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti	
	minettic@unige.it and copy to: rosanna.rizzo@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		

Curriculum: PAEDIATRIC SPECIALTIES (CODE 7135)

Coordinator:	Minetti Carlo	
Department o	f Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di	
Neuroscienze,	riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI)	
Places : 6 – Grants: 4 (*).		
(*) 3 Grants fi	(*) 3 Grants funded by IRCCS Istituto G. Gaslini, the annual gross amount of the grant, including social security expenses	
to be paid by t	he recipient, is € 15.343,28.	
(*) 1 grant fur	nded by ALICe Onlus, the annual gross amount of the grant, including social security expenses to be paid by	
the recipient, i	s € 15.343,28.	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	12.7.2018 - 2.00 pm, at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and	
	mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze	
	materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16),	
	first floor, via G. Gaslini 5, Genova.	
Exam	Contents of the interview:	
Syllabus	- previous research experience, including research carried out for the degree dissertation;	
	- ideas for projects;	
	- knowledge of basic methodologies for clinical and laboratory research;	
	- knowledge of English.	
Research	In depth study of new methods for the diagnosis and treatment of paediatric pathologies of medical or	
Themes	surgical relevance, with special attention concerning the paediatric specialties present in the G. Gaslini	
	Institute.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These	
on	referees must be university professors or experts in the subject and it will be their concern to send reference	
references	letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti	
	minettic@unige.it and copy to: rosanna.rizzo@unige.it.	
	The name, status and service place of the referees chosen by the candidates must be stated in their	
	applications.	
Foreign	English	
Languages		

Course in: SOCIAL SCIENCES

Curriculum: MIGRATIONS AND INTERCULTURAL PROCESSES (CODE 7108)

Coordinator: Andrighetto Lu	Coordinator: Andrighetto Luca		
Department of Education Scie	ences (Dipartimento di Scienze della Formazione - DISFOR)		
Places: 3 – Grants: 2 (*)			
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM		
procedure			
Written Test	11.7.2018 – 10.00 am at the Department of Education Sciences (Dipartimento di Scienze della		
	Formazione – DISFOR), corso A. Podestà 2, Genova.		
Interview	12.7.2018 – 12.00 noon at the Department of Education Sciences (Dipartimento di Scienze		
	della Formazione – DISFOR), corso A. Podestà 2, Genova.		
Further information on	The following will be assessed:		
how to present	1. The quality of the research project presented.		
qualifications/pubblications	2. Research experience and scientific publications.		
	3. Thesis of the 5 or 4-year degree course, which can be attached in PDF format.		
	4. Academic curriculum and degree mark.		
Exam Syllabus	The written test will consist in a critical discussion of a scientific article proposed by the		
	examining commission, pertaining to the themes object of the curriculum and can be carried		
	out in one of the following languages: Italian, English, French, Spanish.		
	Candidates who have passed the minumum score in qualifications/publications and in the		
	project established by the examing commission will be admitted to the written test.		
	The interview will be a discussion concerning the candidates' research project and the		
	qualifications/publications presented and their written test, with special attention also for the		
	features of the research methods and data analysis techniques in the thematic areas of		
	Furthermore, during the interview, knowledge of two EU languages (Italian, English, French,		
	Spanish) will be verified.		
	Candiates who will have obtained the mininum score established by the examining		
Dessenth Thomas	commission in the written test will be admitted to the interview.		
Research Themes	- integration, acculturation and identity construction processes unlough different levels of		
	Ingroup outgroup, relationships in various contexts (educational formative and work		
	related)		
	- Intercultural processes in the wake of migration movements both for the countries of origin		
	and in those of arrival		
	- Reception systems: forced migrations environmental migrations and transformations		
	following migrations in urban and rural contexts.		
	These research themes can be analyzed using models and methods of various disciplines in the		
	field of social sciences (anthropology, geography, pedagogy, psychology, sociology, history).		
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be		
	taken into consideration for the final score.		
Foreign Languages	English or French or Spanish		
Further Information	Prof. Nadia Rania		
	Dipartimento di Scienze della Formazione (DISFOR)		
	corso Podestà 2		
	16128 Genova		
	(+39) 01020953747		
	<u>nadia.rania@unige.it</u>		
	Administrative secretariat:		
	Dott. Andrea Santini		
	Dipartimento di Scienze della Formazione (DISFOR)		
	corso Podestà 2		
	16128 Genova		
	(+39) 01020953507		
	dottoratoscienzesociali.disfor@unige.it		

Curriculum: PSYCHOLOGY AND COGNITIVE SCIENCES (CODE 7107)

Coordinator: Andrighetto Luca		
Department of Education Scie	ences (Dipartimento di Scienze della Formazione - DISFOR)	
Places : 2(°) – Grants : 2 (*).		
(*) 1 grant from the Universi	ty, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
(*) 1 grant funded by DISFOR	t, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
(°) Should other funds be foun	d before the deadline of the Public Notice, an extra place without grant will be activated.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	11.7.2018 – 10.00 am at the Department of Education Sciences (Dipartimento di Scienze della	
	Formazione – DISFOR), corso A. Podestà 2, Genova.	
Interview	13.7.2018 – 12.00 noon at the Department of Education Sciences (Dipartimento di Scienze	
	della Formazione – DISFOR), corso A. Podestà 2, Genova.	
Further information on	The following will be assessed:	
how to present	1. The quality of the research project presented.	
qualifications/pubblications	2. Research experience and scientific publications.	
	3. Thesis of the 5 or 4-year degree course, which can be attached in PDF format.	
	4. Academic curriculum and degree mark.	
	The examining commission reserves the right to fix a minimum score threshold to be obtained	
	by candidates in the evaluation of their qualifications/publications in order to be admitted to	
	the written test.	
Exam Syllabus	The written test will consist in the critical discussion of an article presented by the examining	
	commission, related to the themes of the curriculum.	
	The interview will be a discussion concerning the candidates' research project and the	
	qualifications/publications presented, as well as their written test, also with reference to the	
	features of the general research methods and data analysis techniques in the disciplinary fields	
	of reference. Furthermore, during the interview, knowledge of English will be verified.	
	The examining commission reserves the right to fix a minimum score threshold to be obtained	
	by candidates in the written test in order to be admitted to the interview.	
Research Themes	1. General psychology:	
	Work memory: structure, processes, implications in complex cognitive tasks. The	
	competences of critical thinking. Bodily expressions, gestures and language. Implicit features	
	in the expression of attitudes and in clinical manifestations. Perceptual and attentional	
	foundations of abstract symbols and concepts. Cognitive ergonomics: human performance in	
	complex systems. Non technical competences and high fidelity simulations. Man-machine	
	interaction and design interaction.	
	2 Developmental psychology	
	Language and executive functions in typical and atypical development. Scholastic inclusion of	
	number with developmental disorders. Neo-Piagetian models of cognitive development	
	Understanding and learning of mathematics. Cognitive processes in infant drawings	
	ondersamening and rearning of matternatics. Cognitive processes in main drawings.	
	3. Social and work psychology	
	De-humanization and objectification in interpersonal and inter-group relations. Bia in its	
	different forms and reduction strategies. Organizational healthcare Educational practices	
	learning and professional development.	
	o a r transformer and transformer	
	4. Dynamic and clinical psychology	
	Psychopathological and emotional regulation disorders in adults. The reflexive functioning of	
	adopted adolescents and its clinical implications. Psychopathological disorders of middle	
	childhood within the persepctive of emotional attachment and regulation. Risk factors and	
	protection in the couple and in the family.	
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be	
	taken into consideration for the final score.	
Foreign Languages	English	
Further Information	Prof. Luca Andrighetto	
	Dipartimento di Scienze della Formazione (DISFOR)	
	Corso Podestà 2	
	16128 Genova	

(+39) 01020953718
luca.andrighetto@unige.it
Administrative secretariat:
Dott. Andrea Santini
Dipartimento di Scienze della Formazione (DISFOR)
corso Podestà 2
16128 Genova
(+39) 01020953507
dottoratoscienzesociali.disfor@unige.it

Curriculum: POLITICAL SCIENCES (CODE 7109)

Coordinator: Andrighetto Lu	ca	
Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR)		
Places: 3 – Grants: 2 (*).		
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.		
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND EXAM	
procedure		
Written Test	11.7.2018 - 9.30 am at the Department of Political Sciences (Dipartimento di Scienze	
	Politiche –DISPO), Albergo dei Poveri, piazzale E. Brignole 2A (gate), Genova.	
Interview	12.7.2018 – 2.00 pm at the Department of Political Sciences (Dipartimento di Scienze	
	Politiche –DISPO), Albergo dei Poveri, piazzale E. Brignole 2A (gate), Genova.	
Further information on	The contents of the written test cannot coincide with those of the research project presented in	
how to present	the qualifications/publications.	
qualifications/pubblications	The examining commission reserves the right to fix a minimum score threshold to be obtained	
	by candidates in the evaluation of their qualifications/publications in order to be admitted to	
	the written test.	
Exam Syllabus	The paper (written test) will be on one of the research themes indicated. The interview will be	
	on candidates' curriculum, their written test, their research project and on the research theme	
	chosen among those featured in the syllabus.	
	The examining commission reserves the right to fix a minimum score threshold to be obtained	
	by candidates in the written test in order to be admitted to the interview.	
Research Themes	- Political ideas, ideologies, political phenomena from a historical and critical perspective.	
	- Promotion and safeguarding of human rights at a local, national and international level.	
	- Social and political change within democratic contexts and the transformational dynamics of	
	political and cultural relations linked to them.	
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be	
	taken into consideration for the final score.	
Foreign Languages	English or French or Spanish	
Further Information	Prof. Alberto De Sanctis,	
	Dipartimento di Scienze Politiche (DISPO)	
	(+39) 0102099064	
	<u>alberto.desanctis(a)unige.it</u>	
	Administrative secretariat:	
	Dott. Andrea Santini Disartimente di Grienes delle Fernanciane (DISFOR)	
	Dipartimento di Scienze della Formazione (DISFOR)	
	corso Podesta 2	
	10128 GENOVA (120) 01020052507	
	(+39) 0102093330/	
	<u>dottoratoscienzesocian.distor@unige.it</u>	

Course in: SOCIAL SCIENCES

Curriculum: SOCIOLOGY (CODE 7106)

Coordinator: Andrighetto Luca			
Department of Education Scie	Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR)		
Places: 4 – Grants: 3 (*).			
(*) 2 grants from the Univers	ity, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient, is € 15.343,28.			
(*) 1 grant funded by INVAL	SI, the annual gross amount of the grant, including social security expenses to be paid by the		
recipient. is € 15.343.28.			
Comparative assessment	OUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
procedure			
Interview	12.7.2018 – 10.00 am at the Department of Education Sciences (Dipartimento di Scienze della		
	Formazione – DISFOR), corso A. Podestà 2. Genova.		
Further information on	The following will be assessed		
how to present	1 The quality of the research project presented		
qualifications/pubblications	2. Research experience and scientific publications.		
quannearions, pubblications	3 Thesis of the 5 or 4-year degree course which can be attached in PDF format		
	4 Academic curriculum and degree mark		
Exam Syllabus	The interview will be a discussion concerning the candidates' research project and the		
	qualifications/publications presented with reference to the features of the general research		
	methods and data analysis techniques in the disciplinary fields of reference. Furthermore		
	during the interview knowledge of English will be verified		
	Only the candiates who will have obtained the miminum score established by the examining		
	commission in the qualifiations/publications and project will be admitted to the interview		
	The results of the evaluation of the qualifications/publications will be announced at least three		
	days before the discussion		
Research Themes	- Methodology of social research		
	- Evaluation of educational and social policies.		
	- Visual Sociology		
	- Social disparities.		
	- Social policies		
	- The youth situation		
	- Dynamics of the labour market		
	- Sociology of organizationa and work		
	- Sociology of science and technology.		
	- Sociology of cultural processes and communication.		
	- Sociology of deviance.		
	- Sociology of education		
	- Sociology of the family.		
	- Urban sociology.		
	- Gender studies.		
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be		
	taken into consideration for the final score.		
Foreign Languages	English or French or Spanish		
Further Information	Prof. Luca Guzzetti		
	Dipartimento di Scienze della Formazione (DISFOR)		
	Corso Podestà 2		
	16128 Genova		
	luca.guzzetti@unige.it		
	Administrative secretariat:		
	Dott. Andrea Santini		
	Dipartimento di Scienze della Formazione (DISFOR)		
	corso Podestà 2		
	16128 Genova		
	(+39) 01020953507		
	dottoratoscienzesociali.disfor@unige.it		

Course in: THE STUDY AND ENHANCEMENT OF THE HISTORICAL, ARTISTIC-ARCHITECTURAL AND ENVIRONMENTAL HERITAGE

Curriculum: HISTORY (CODE 7136)

Coordinator: Galassi Maria Clelia	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 6 – Grants: 5 (*).	
(*) 5 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the	
recipient, is € 15.343,28.	
The number of grants (5) and that of places without grant (1) refers to the doctoral research course in its entirety and not to	
the single curriculum.	
The examining commission will be the same for all the curricula and will draw up a single merit list.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	5.7.2018 – 10.00 am at the Department of Classical Studies, Philosophy and History
	(Dipartimento di Antichità, Filosofia e Storia – DAFIST), second floor, via Balbi 6, Genova.
Further information on	Besides the qualifications/publications requested in the public notice exam, candidates are
how to present	requested to submit by means of the online procedure together with their applications:
qualifications/pubblications	a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format) which will
	be evaluated;
	b) any publications (in pai format), which will be evaluated;
	c) a other description of the research project proposed by the candidate (maximum 50,000 strokes plus an appoteted hibliography), which will be evaluated
	The project must be organized according to the following points: 1) Objectives: 2) Sources
	and state of the art ⁻³) Importance for the advancement of knowledge 4) Proposed
	methodology. 5) A developmental work plan
Exam Syllabus	The interview will concern.
L'ann Synabus	1) the qualifications/publications presented by the candidate
	2) the research project presented by the candidate:
	3) the capacity to understand a passage taken from a history text, proposed by the examing
	commission, written in the foreign language chosen by the candidate.
Research Themes	The History specialization includes:
	a) a line of research of contemporary history, with special attention to the following issues:
	Euro-Atlantic relations, phenomena of transnationality and mobility, politics of memory and
	public history; the relationship between science, technology and society; visual history and
	culture; history of the environment and energy policies, gender history, ethno history;
	b) a line of research of modern history, which concerns the history of Modern Europe in its
	different expressions (political-institutional history, the history of the territory, maritime
	history, military, cultural and religious history, with special attention to Italy and to the
	documentation heritage they refer to);
	c) a line of research of medieval history, which concerns the medieval history of Europe in its
	various expressions (political-institutional history, the history of the territory, maritime history military cultural and religious history with special attention to Italy and to the
	documentation heritage they refer to):
	d) a line of research of the history and archeology of environmental resources, with research
	based on investigations of the territory and archives (ecologic history landscapes and rural
	heritage)
	e) a line of research of institutions, economics and society in the eastern European countries.
	with particular attention to sources.
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be
	taken into consideration for the final score.
Foreign Languages	English or French or Spanish.
Further Information	Prof. Luca Lo Basso
	(+39) 0102095585
	lobasso@unige.it

Course in: THE STUDY AND ENHANCEMENT OF THE HISTORICAL, ARTISTIC-ARCHITECTURAL AND ENVIRONMENTAL HERITAGE

Curriculum: HISTORY AND PRESERVATION OF THE ARTISTIC AND ARCHITECTURAL HERITAGE (CODE 7137)

Coordinator: Galassi Maria	Clelia
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 6 – Grants: 5 (*)	
(*) 5 grants from the Universit	ity, the annual gross amount of the grant, including social security expenses to be paid by the
recipient, is € 15.343,28.	
The number of grants (5) and that of places without grant (1) refers to the doctoral research course in its entirety and not to	
the single curriculum.	
The examining commission will be the same for all the curricula and will draw up a single merit list.	
Comparative assessment	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
procedure	
Interview	5.7.2018 - 10.00 am at the Department of Classical Studies, Philosophy and History
	(Dipartimento di Antichità, Filosofia e Storia – DAFIST), second floor, via Balbi 6, Genova.
Further information on	Besides the qualifications/publications requested in the public notice exam, candidates are
how to present	requested to submit by means of the online procedure together with their applications:
qualifications/pubblications	a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format) which
	will be evaluated;
	b) any publications (in pdf format), which will be evaluated;
	c) a brief description of the research project proposed by the candidate (maximum 30,000
	strokes plus an annotated bibliography), which will be evaluated.
	The project must be organized according to the following points: 1) Objectives; 2) Sources
	and state of the art; 3) Importance for the advancement of knowledge; 4) Proposed
	methodology; 5) A developmental work plan.
Exam Syllabus	The interview will concern:
· ·	1) the qualifications/publications presented by the candidate;
	2) the research project presented by the candidate;
	3) the capacity to understand a passage taken from a history text, proposed by the examing
	commission, written in the foreign language chosen by the candidate.
Research Themes	The overall scope of the research proposals is directed to the study of the artistic and
	historical, architectural and environmental heritage and to the analysis of the issues
	concerning its preservation, besides the knowledge of the cultural and technical processes
	that have determined its origins, dissemination, knowledge and utilization. In this context, in
	a chronological period from the 11th century to the contemporary age, the following lines
	have emerged:
	a) analysis of the artistic object according to its formal components and contents;
	b) analysis of the artistic and architectural artefacts within their relations with the territory,
	in the dissemination processes of cultural and linguistic models, with special attention to the
	areas influenced by and interrelating with European culture;
	c) interaction among social, political, economic phenomena and communication through
	artistic forms;
	d) the client-artist-public relationship;
	e) iconographic and iconological studies;
	f) details of the religious structure in the use and production of images and in the creation of
	architectural models;
	g) Ligurian regional identity and its specificity in the European context;
	h) the relationship between production centres, institutions and the territory; models and
	replicas, centre and outskirts;
	1) analysis of technical processes in defining problems relating to historical-artistic and
	architectural artefacts;
	J) methodologies for the knowledge and preservation of the cultural heritage in its physical,
	architectural and territorial dimension.
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be
E	taken into consideration for the final score.
Foreign Languages	French or English or Spanish
Further Information	PTOT. MATIA Ulelia Galassi
	(+39) 0102093035
	mcgalassi@jettere.unige.it