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Course in: ARCHITECTURE AND DESIGN

Curriculum: ARCHITECTURE (CODE 5113)

-		
Coordinator: Magliocco Adriano		
Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura - DSA)		
Places: 4 - Grants: 2 (*).		
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47		
(*) 1 grant based on funds from MIUR/Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura – DSA), the annual gross		
amount of the gr	ant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	850,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	05/11/2013 - 10 a.m., in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura -	
	DSA), Stradone S. Agostino 37, 16123 Genova	
Interview	06/11/2013 - 2.30 p.m. in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura -	
	DSA), Stradone S. Agostino 37, 16123 Genova	
Exam syllabus	A paper on one of the course research themes.	
	An interview relating to the written test and to the candidate's research themes of interest. Reading and translation of a text in one	
	of the indicated foreign languages.	
Further	On the day of the interview, candidates are allowed to present a portfolio, A3 format, containing previous study and research	
information on	experiences.	
how to present		
qualifications		
Research	The research themes that will are possible subjects of the paper are those linked to the teaching objectives of the Doctoral Course,	
themes	the focus being on the process of project activities and as a consequence their cognitive tools and equipment, in order to study and	
	thoroughly examine the relations between the built environment, on various levels, and the people, analyzing how the social	
	context, political and cultural values influence the choice of projects.	
	The research themes may be organized according to the subjects involved in the Curriculum: architectural technology and	
7.0	technique, architectural composition and design, landscape, urban and representation design.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	gausa@coac.net	
	magliocc@arch.unige.it The name status and samile place of the reference shown by the condidates must be stated in their applications.	
т.	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English, French, Spanish	
languages	CONTACT DEDCOMO IN A DAMBACTE ATTOM	
Further	CONTACT PERSONS IN ADMINISTRATION:	
information	Dott.ssa Brancati 010/2095811	
	Arch. Ruggiero 010/2095910 e-mail: ruggiero@arch.unige.it	

Course in: ARCHITECTURE AND DESIGN

Curriculum: DESIGN (CODE 5114)

Coordinator: Magliocco Adriano	
Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura - DSA)	
Places: 4 - Gran	
Places in excess	available to persons with a foreign degree: 1 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
(*) 1 grant as pe	r Ministerial Decree 198/03 main field of research "Shipbuilding, aeronautics, helicopter engineering with a high foreign market
penetration capa	city", the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	850,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 10 a.m., in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura -
	DSA), Stradone S. Agostino 37, 16123 Genova
Interview	06/11/2013 - 2.30 p.m. ore 14:30 in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per
	l'Architettura - DSA), Stradone S. Agostino 37, 16123 Genova
Exam syllabus	A paper on one of the course's research themes.
	An interview relating to the written test and to the candidate's research themes of interest. Reading and translation of a text in one
	of the indicated foreign languages.
Further	On the day of the interview, candidates are allowed to present a portfolio, A3 format, containing previous study and research
information on	experiences.
how to present	
qualifications	
Research	The research themes that will are possible subjects of the paper are those linked to the teaching objectives of the Doctoral Course,
themes	the focus being on the process of project activities and as a consequence their cognitive tools and equipment, in order to study and
	thoroughly examine the relations between the built environment, on various levels, and the people, analyzing how the social
	context, political and cultural values influence the choice of projects.
	The research themes may be organized according to the subjects involved in the Curriculum: product design, graphic and visual
	design, corporate identity, design for the enhancement of environmental and cultural resources of the territory, product system, strategies and processes, communication, events.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following addresses:
	gausa@coac.net
	fagnoni@arch.unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English, French, Spanish
languages	
Further	CONTACT PERSONS IN ADMINISTRATION:
information	Dott.ssa Brancati 010/2095811
	Arch. Ruggiero 010/2095910 e-mail: ruggiero@arch.unige.it

Course in: ARCHITECTURE AND DESIGN

Curriculum: BOATING AND NAUTICAL DESIGN (CODE 5115)

Coordinator: M	lagliocco Adriano
Department of A	rchitectural Sciences (Dipartimento di Scienze per l'Architettura - DSA)
Places: 4 - Gran	
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
(*) 1 grant as per Ministerial Decree 198/03 main field of research "Shipbuilding, aeronautics, helicopter engineering with a high foreign market	
penetration capa	city", the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	850,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 10 a.m., in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura -
	DSA), Stradone S. Agostino 37, 16123 Genova
Interview	06/11/2013 – 2.30 p.m., in the rooms at the Department of Architectural Sciences (Dipartimento di Scienze per l'Architettura -
	DSA), Stradone S. Agostino 37, 16123 Genova
Exam syllabus	A paper on one of the course's research themes.
	An interview relating to the written test and to the candidate's research themes of interest. Reading and translation of a text in one
	of the indicated foreign languages.
Further	On the day of the interview, candidates are allowed to present a portfolio, A3 format, containing previous study and research
information on	experiences.
how to present	
qualifications	
Research	The research themes that will are possible subjects of the paper are those linked to the teaching objectives of the Doctoral Course,
themes	the focus being on the process of project activities and as a consequence their cognitive tools and equipment, in order to study and
	thoroughly examine the relations between the built environment, on various levels, and the people, analyzing how the social
	context, political and cultural values influence the choice of projects.
	The research themes may be organized according to the subjects involved in the Curriculum: boating design, sustainable products,
T 6 4	processes, materials, ergonomics.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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: gausa@coac.net
	gausa@coac.net musio-sale@arch.unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English, French, Spanish
languages	English, Pienen, Spanish
Further	CONTACT PERSONS IN ADMINISTRATION:
information	Dott.ssa Brancati 010/2095811
moimation	Arch. Ruggiero 010/2095910 e-mail: ruggiero@arch.unige.it
	Then. Ruggiero 010/20/5/10 c mail. ruggiero e arch.umge.n

Curriculum: ADVANCED ROBOTICS AND ROBOT DESIGN (CODE 5117)

	Coordinator: Martinoia Sergio	
Polytechnic Section of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di		
Informatica, bioingegneria, robotica e ingegneria dei sistemi - DIBRIS)		
Places: 11 – Grants: 9 (*).		
Places in excess	Places in excess available to persons with a foreign degree: 1 (without grant).	
	(*)1 grant as per Ministerial Decree 198/03 main field of research "Advanced manufacturing systems with an impact not only on tool machinery,	
	le in Italy' manufacturing compartments, such as the textile, garment and instrumental machinery industries", including social	
	s to be paid by the recipient, is €16.500,00	
(*) 8 grants fund	led by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount	
	uding social security expenses to be paid by the recipient, is €16.500,00	
Second	(only for graduate students who do not benefit from a grant)	
instalment	500,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	Advanced robot control	
themes	Robot coordination and cooperation	
	Sensing	
	State estimation State estimation	
	Knowledge representation	
	Motion planning	
	Real-time scheduling	
	Design of macro/micro robot systems	
	Design of sensors and actuators	
	Underwater, aerial and space robotics	
	Wheeled and legged robots	
	Manipulation	
	Specific themes will be presented in a document available at the following addresses:	
	http://www.dibris.unige.it/dottorati http://www.iit.it/en/openings/phd-calls/	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the	
on references	public notice, to the Coordinator of the Doctoral Course at the following address:	
	phdbiorob@dibris.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	For information on the research themes relevant to DIBRIS please contact:	
information	antonio.sgorbissa@unige.it	
moimanon	For information on the research themes relevant to IIT please contact:	
	darwin.caldwell@iit.it	
	giulio.sandini@iit.it	
L	gan common c near	

Curriculum: BIOENGINEERING AND BIOELECTRONICS (CODE 5119)

Coordinator: M	fartinoja Servio
	tion of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di
	ingegneria, robotica e ingegneria dei sistemi - DIBRIS)
Places: 12 - Gra	
	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00
	er Ministerial Decree 198/03 main field of research "ICT and electronic components", the annual gross amount of the grant,
including social	security expenses to be paid by the recipient, is €16.500,00
(*) 2 grants fund	ded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount
	uding social security expenses to be paid by the recipient, is €16.500,00
(*) 3 funded by 13.638,47	the University of Cagliari, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €
	e doctoral course, students who received a grant from the University of Cagliari will be awarded a joint qualification from both the
	gliari and Genova.
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	
Research	Biomedical imaging and medical information systems
themes	Bioelectronics, biomedical devices and bio-sensors
	Molecular, cellular and tissue engineering
	Neuroengineering and neurotechnology
	Micro and nano-systems in medicine and biology. Specific thereographic is a decompated in a decompated with a following addresses.
	Specific themes will be presented in a document available at the following addresses: http://www.dibris.unige.it/dottorati
	http://www.iit.it/en/openings/phd-calls/
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	phdbiorob@dibris.unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	For information on the research themes relevant to DIBRIS please contact:
information	sergio.martinoia@unige.it
	For information on the research themes relevant to IIT please contact:
	alberto.diaspro@iit.it
	For information on the research themes relevant to the University of Cagliari please contact:
	annalisa.bonfiglio@diee.unica.it

Curriculum: BIONANOTECHNOLOGY (CODE 5120)

	Coordinator: Martinoia Sergio	
Polytechnic Section of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di		
	Informatica, bioingegneria, robotica e ingegneria dei sistemi - DIBRIS)	
Places: 16 – Gr	Places: 16 – Grants: 13 (*).	
	s available to persons with a foreign degree: 1 (with a Marie Curie Training Network contract)	
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00	
	nded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount	
of the grant, inc	luding social security expenses to be paid by the recipient, is €16.500,00	
Second	(only for graduate students who do not benefit from a grant)	
instalment	500,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	- cells-to chip and cells-to-cells technologies	
themes	- advanced characterization tools and imaging	
	- drug-delivery	
	- tissue engineering	
	- bio materials and smart materials.	
	Specific themes will be presented in a document available at the following addresses:	
	http://www.dibris.unige.it/dottoratihttp://www.iit.it/en/openings/phd-calls/	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	phdbiorob@dibris.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	For information on the research themes relevant to DIBRIS please contact:	
information	sergio.martinoia@unige.it	
	For information on the research themes relevant to IIT please contact:	
	alberto.diaspro@iit.it	

Curriculum: COGNITIVE ROBOTICS, INTERACTION AND REHABILITATION TECHNOLOGIES (CODE 5121)

Coordinator: M	Coordinator: Martinoia Sergio	
Polytechnic Section of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di		
Informatica, bioingegneria, robotica e ingegneria dei sistemi - DIBRIS)		
Places: 14 - Grants: 12 (*).		
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00	
(*) 11 grants fur	nded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount	
of the grant, incl	uding social security expenses to be paid by the recipient, is €16.500,00	
Second	(only for graduate students who do not benefit from a grant)	
instalment	500,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	Robots learning from examples and experience	
themes	Remembering and recalling from analogies	
	Associating past and present situations	
	Detecting and recognizing individual events and generalizing from individual experiences	
	Predicting the outcome of actions and acting consequently	
	Explaining their own behaviour; communicating in meaningful and "natural ways"	
	Expressing emotions and acting socially	
	Working in symbiosis with humans in order to measure and improve motor behaviour during rehabilitation therapy Establishing adaptive bidirectional communication with their user	
	Establishing adaptive bidirectional communication with their user	
	Specific themes will be presented in a document available at the following addresses:	
	http://www.dibris.unige.it/dottorati	
	http://www.iit.it/en/openings/phd-calls/	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	phdbiorob@dibris.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	For information on the research themes relevant to DIBRIS please contact:	
information	vittorio.sanguineti@unige.it	
	antonio.sgorbissa@unige.it	
	For information on the research themes relevant to IIT please contact:	
	giulio.sandini@iit.it	

Curriculum: HUMANOID ROBOTICS (CODE 5122)

Coordinator: M	Coordinator: Martinoia Sergio	
Polytechnic Section of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di		
Informatica, bioingegneria, robotica e ingegneria dei sistemi - DIBRIS)		
Places: 7 - Gran	Places: 7 - Grants: 6 (*).	
(*) 6 grants fund	(*) 6 grants funded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount	
of the grant, incl	luding social security expenses to be paid by the recipient, is €16.500,00	
Second	(only for graduate students who do not benefit from a grant)	
instalment	500,00	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	Design, realization, programming and control of anthropomorphic robots	
themes	Technologies for the next generation of robots based on soft and adaptable materials for sensing, actuation and computation.	
	The goal is to develop robots that on the one hand can learn and adapt from their mistakes, and on the other are robust to work in	
	real-world practical scenarios: e.g., at home, as personal assistants, as well as in industry as co-workers or to intervene in case of	
	natural or man-made disasters.	
	Specific themes will be presented in a document available at the following addresses:	
	http://www.dibris.unige.it/dottorati	
	http://www.iit.it/en/openings/phd-calls/	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	phdbiorob@dibris.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	For information on the research themes relevant to DIBRIS please contact:	
information	antonio.sgorbissa@unige.it	
	For information on the research themes relevant to IIT please contact:	
	giorgio.metta@iit.it	
	1	

Curriculum: BIOIMAGING (CODE 5123)

Coordinator: Cancedda Ranieri Maria		
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)		
Places: 2 - Grants: 1 (*).		
(*) 1 grant from	(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	04/11/2013 - 2 p.m., Didactic Room (Aula Didattica) (Torre - Tower C – 3rd Floor) – Advanced Biotechnologies Centre (Centro	
	di Biotecnologie Avanzate) Largo R. Benzi, n. 10 – 16132 Genova.	
Exam syllabus	The interview will be on the qualifications/publications and research project presented.	
Further	All candidates are requested to present a proposal for a research project (2 A4 pages maximum, character size 12) together with	
information on	their qualifications/publications. The project, which will be discussed during the interview, will be evaluated by the commission	
how to present	together with the qualifications/publications.	
qualifications		
Research	Molecular Bioimaging. Biomedical Imaging. Computational bioimaging.	
themes		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	ranieri.cancedda@unige.it	
т.	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English	
languages Further	Consider to Duri Desire Consider Discriment di Malicia Considerata T. 1. 0105550201 Esp. 0105550257	
	Coordinator: Prof. Ranieri Cancedda - Dipartimento di Medicina Sperimentale - Tel. 0105558391 - Fax 0105558257 -	
information	ranieri.cancedda@unige.it	
	Organising Secretarial Office: Mr. Enrico Zeraschi - Dipartimento di Medicina Sperimentale - Tel. 0105558266 - Fax	
	0105558216 - enrico.zeraschi@unige.it	
	0103330210 - <u>Cinto.zerascin wulitge.it</u>	

Curriculum: CELLULAR AND MOLECULAR BIOTECHNOLOGIES (CODE 5124)

	ancedda Ranieri Maria
Department of E	xperimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
Places: 2 - Gran	
	r Ministerial Decree 198/03 main field of research "Human Health (study and treatment of tumours and degenerative diseases by
means of new a	approaches based on the knowledge of the human genome)", the annual gross amount of the grant, including social security
expenses to be p	aid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	04/11/2013 - 2 p.m., Didactic Room (Aula Didattica) (Torre - Tower C – 3rd Floor) – Advanced Biotechnologies Centre (Centro di Biotecnologie Avanzate) Largo R. Benzi, n. 10 – 16132 Genova.
Exam syllabus	The interview will be on the qualifications/publications and research project presented.
Further	All candidates are requested to present a proposal for a research project (2 A4 pages maximum, character size 12) together with
information on	their qualifications/publications. The project, which will be discussed during the interview, will be evaluated by the commission
how to present	together with the qualifications/publications.
qualifications	
Research	Diagnostics. Therapeutic treatments. New products for pharmaceutical use. Gene therapy. Cellular therapy. Immunosuppressive
themes	therapy. Anticancer therapy.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	ranieri.cancedda@unige.it
F	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages Further	Coordinator: Prof. Ranieri Cancedda - Dipartimento di Medicina Sperimentale - Tel. 0105558391 - Fax 0105558257 -
Furtner information	ranieri.cancedda@unige.it
mormation	Tameri. Cancedda wunge. it
	Organising Secretarial Office: Mr. Enrico Zeraschi - Dipartimento di Medicina Sperimentale - Tel. 0105558266 - Fax
	0105558216 - enrico.zeraschi@unige.it

Curriculum: REGENERATIVE MEDICINE AND TISSUE ENGINEERING (CODE 5125)

Coordinator: Cancedda Ranieri Maria	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)	
Places: 4 - Gran	rts: 2 (*).
Places in excess	available to persons with a foreign degree : 1 (without grant).
(*) 1 grant as pe	er Ministerial Decree 198/03 main field of research "New applications in the biomedical industry", the annual gross amount of the
grant, including	social security expenses to be paid by the recipient, is €13.638,47
	l on funds from MIUR / Department of Experimental Medicine (Dipartimento di Medicina Sperimentale DIMES), the annual gross
amount of the gr	ant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	04/11/2013 - 2 p.m., Didactic Room (Aula Didattica) (Torre - Tower C - 3rd Floor) - Advanced Biotechnologies Centre (Centro
	di Biotecnologie Avanzate) Largo R. Benzi, n. 10 – 16132 Genova.
Exam syllabus	The interview will be on the qualifications/publications and research project presented.
Further	All candidates are requested to present a proposal for a research project (2 A4 pages maximum, character size 12) together with
information on	their qualifications/publications. The project, which will be discussed during the interview, will be evaluated by the commission
how to present	together with the qualifications/publications.
qualifications	
Research	Cellular therapy. Tissue engineering. Development of biocompatible biomaterials, biodegradable and capable of integrating
themes	molecules and cells. Delivery of growth factors, cytokines and other pharmacologically active molecules. Immunology and
	biology of transplants. Immunotherapy. Gene therapy.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	ranieri.cancedda@unige.it
.	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	Consideration Park Province Consider Discretionary & Multiple Considerated Tel 0105550201 E. 0105550207
Further	Coordinator: Prof. Ranieri Cancedda - Dipartimento di Medicina Sperimentale - Tel. 0105558391 - Fax 0105558257 -
information	ranieri.cancedda@unige.it
	Organising Secretarial Office: Mr. Enrico Zeraschi - Dipartimento di Medicina Sperimentale - Tel. 0105558266 - Fax
	0105558216 - enrico.zeraschi@unige.it
	0103330210 - Gintotzerascin willige.it

Curriculum: TRANSLATIONAL MEDICINE (CODE 5126)

Coordinator: Cancedda Ranieri Maria		
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)		
Places: 2 - Grants: 1 (*).		
	Places in excess available to persons with a foreign degree: 1 (without grant).	
	(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	04/11/2013 - 2 p.m., Didactic Room (Aula Didattica) (Torre - Tower C – 3rd Floor) – Advanced Biotechnologies Centre (Centro	
	di Biotecnologie Avanzate) Largo R. Benzi, n. 10 – 16132 Genova.	
Exam syllabus	The interview will be on the qualifications/publications and research project presented.	
Further	All candidates are requested to present a proposal for a research project (2 A4 pages maximum, character size 12) together with	
information on	their qualifications/publications. The project, which will be discussed during the interview, will be evaluated by the commission	
how to present	together with the qualifications/publications.	
qualifications		
Research	Advanced therapies in: i) Vascular surgery; ii) Cardiac surgery; iii) Plastic and reconstructive surgery; iv) ophthalmology; v)	
themes	Advanced diagnostics.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	ranieri.cancedda@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	Coordinator: Prof. Ranieri Cancedda - Dipartimento di Medicina Sperimentale - Tel. 0105558391 - Fax 0105558257 -	
information	ranieri.cancedda@unige.it	
	Organising Secretarial Office: Mr. Enrico Zeraschi - Dipartimento di Medicina Sperimentale - Tel. 0105558266 - Fax 0105558216 - enrico.zeraschi@unige.it	

Course in: DIGITAL HUMANITIES

Curriculum: ARTS, PERFORMING ARTS AND MULTIMEDIA TECHNOLOGIES (CODE 5127)

Coordinator: Poli Sergio	
Department of modern languages and cultures (Dipartimento di Lingue e culture moderne)	
Places: 4 - Gran	
Places in excess available to persons with a foreign degree: 1 (without grant).	
(*) 2 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	650,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	06/11/2013 - 10 a.m. in the Aula Magna Humanities School (Scuola Umanistica) via Balbi 2 - 16126 Genova
Interview	11/11/2013 - 10 a.m. at the Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts (Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo – DIRAAS), Via Balbi 4 16126 Genova
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 nine titles (three for each thematic typology)
	prepared by the examining Commission.
Further	Candidates may submit their qualifications/publications and documentation in any of the following languages: Italian, English,
information on	French, German, Spanish.
how to present	
qualifications	
Research	1. Application of information and communication technologies to the arts and performing arts (Design and development of
themes	multimedia and online products, Virtual Museums, Web 2.0, databases, lists, etc.);
	2. Application of information and communication technologies to the figurative arts and multimedia creations for performances (creation of research instruments; platforms for editions of texts and films; design and development of multimedia and online
	products at both scientific and popular levels, etc.);
	3. Critical reflection on the impact of information and communication technologies on paradigms of use and traditional study of
	sources for History of Art, cinema and theatre; analysis of the impact of information and communication technologies on
	protocols on making known our Cultural Heritage.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	luisa.zito@unige.it
	migma@unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	Students must show their knowledge of at least one of the foreign languages from among those indicated previously; foreign
languages	candidates must show their knowledge of Italian.
Further	Luisa ZITO (luisa.zito@unige.it)
information	

Course in: DIGITAL HUMANITIES

Curriculum: LANGUAGES, CULTURES AND DIGITAL TECHNOLGOIES (CODE 5128)

Coordinator: Po	oli Sergio
	nodern languages and cultures (Dipartimento di Lingue e culture moderne)
Places: 4 - Gran	
Places in excess	available to persons with a foreign degree : 4 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638.47
Second	(only for graduate students who do not benefit from a grant)
instalment	650,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 9.30 a.m. at the Department of modern languages and cultures (Dipartimento di Lingue e culture moderne), in the Languages Library (Biblioteca Lingue), Piazza S. Sabina, 2 - 16124 Genova
Interview	11/11/2013 - 9.30 a.m. at the Department of modern languages and cultures (Dipartimento di Lingue e culture moderne), French Studies Section (Sezione di Francesistica), Piazza S. Sabina, 2 - 16124 Genova
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 nine titles (three for each thematic typology) prepared by the examining Commission.
Further information on	Candidates may submit their qualifications/publications and documentation in any of the following languages: Italian, English, French, German, Spanish, Swedish
how to present qualifications	Documentation in other language needs to be translated into Italian, English or French.
Research	1. Application of information and communication technologies to languages (distance teaching of languages; research in the
themes	linguistic and literary fields; design and development of multimedia and online products, etc.); 2. Application of information and communication technologies to literature and culture (creation of research instruments; construction of specific databases; design and development of multimedia and online products at both scientific and popular levels, etc.);
	3. Critical reflection on the impact of information and communication technologies on public and social structures, on teaching methodologies and on learning and working protocols.
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:
	luisa.zito@unige.it sergio.poli@lingue.unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign languages	Students must show their knowledge of at least one of the foreign languages from among those indicated previously; foreign candidates must show their knowledge of Italian.
Further information	Teacher or contact person in administration: Luisa ZITO (luisa.zito@unige.it)

Curriculum: CIVIL, CORPORATE AND INTERNATIONAL LAW (CODE 5129)

Coordinator: Guastini Riccardo		
Department of Law Studies (Dipartimento di Giurisprudenza)		
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tional law, the		
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dline of the		
fe		

Curriculum: CRIMINAL LAW AND PROCEDURE (CODE 5130)

Coordinator: G	uastini Riccardo	
Department of Law Studies (Dipartimento di Giurisprudenza)		
Places: 4 - Gran		
(*) 2 grants from	(*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	555,00 €	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	08/11/2013 - 9 a.m. at the Department of Law Studies (Dipartimento di Giurisprudenza), Criminal Section (Sezione Penalistica),	
	via Balbi 30/10, 16126 Genova	
Interview	12/11/2013 - 4 p.m. at the Department of Law Studies (Dipartimento di Giurisprudenza), Criminal Section (Sezione Penalistica),	
	via Balbi 30/10, 16126 Genova	
Exam syllabus	a) Issues concerning the general part and the special part of Criminal Law;	
	b) Issues concerning criminal trials, also in reference to the European, International and comparative perspective;	
Research	c) Themes linked to penitentiary legislation in force with special reference to the latest reforms as well.	
themes	Criminal Law: the reform of the criminal code and the harmonization of European criminal laws, with a view to the unification and strengthening of international instruments of cooperation; the reform of the sanctioning systems; forms of transnational	
tnemes	criminality; the criminal defence of financial markets; corporate offences; analysis of the themes concerning complicity of people;	
	the regulation of non-EU immigration and the crimes linked to clandestine immigration; the regulation of the circulation of	
	citizens who belong to the European Union; crimes against the public administration.	
	Penitentiary law. Analysis of the numerous innovations recently added to the legal order and of those in progress: in particular, of	
	the legislative novelties aimed at dealing with prison overcrowding (law n. 9 of 17/02/2012 the so-called 'empty jails-two' law-	
	'svuotacarceri-bis', taking into account the possible changes accepted in the law of enactment).	
	Criminal procedure: Themes which are the subject-matter of recent legislative interventions, in parallel with the evolution of	
	jurisprudential orientations. In particular the following are pointed out: the revision of the "internal" penal judgement following	
	the investigation of the European Court of Human Rights of the violation of the ECHR, in the light of the constitutional	
	judgement n. 113 of 7 April 2011; law projects for the reform of the system of penal impugnment and those in the field of wire-	
	tapping, as well as that aimed at introducing the adjournment of the trial with probation (messa alla prova), up to now present only	
	in the juvenile system. Methodologically, systematic reconstructive lines are set against the fragmentary nature of the reforms.	
	Comparative Procedural Criminal Law mainly focussing on the American trial system.	
	International Procedural Criminal Law: Evolution of international criminal justice from the end of the First World War up to the	
	present. The International Criminal Court and the legislation for internal adaptation. International cooperation tendencies at European level. Transitional justice.	
Information	Reference letters will not contribute to the final score.	
on references	Reference letters will not contribute to the final score.	
Foreign	English, French, German	
languages	——————————————————————————————————————	
Further	Contact person in administration:	
information	Dott.ssa M. Stefania Lavezzo	
	e-mail: <u>55563@unige.it</u>	

Curriculum: PHILOSOPHY OF LAW AND LEGAL BIO-ETHICS (CODE 5131)

Coordinator: Guastini Riccardo		
Department of Law Studies (Dipartimento di Giurisprudenza)		
Places: 4 - Gran	Places: 4 - Grants: 2 (*).	
(*) 2 grants from	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	555,00 €	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Further	Candidates must present a well-organized research project.	
information on	The following must be produced in the curriculum and attached documentation:	
how to present	a) qualification	
qualifications	b) any post-graduate qualifications;	
	c) any publications;	
D 1	d) any research experiences and 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	
tnemes	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.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	guastini@unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English, French, Spanish, Portuguese	
languages		
Further	Course Coordinator:	
information	Prof. Riccardo Guastini	
	guastini@unige.it	
	Contact person in administration:	
	Dr. Stefania Vircillo	
	stevirci@giuri.unige.it	

Curriculum: COMPARATIVE CONSTITUTIONAL SYSTEMS (CODE 5132)

Coordinator: G	Coordinator: Guastini Riccardo	
Department of Law Studies (Dipartimento di Giurisprudenza)		
	Places: 4 - Grants: 2 (*).	
	Places in excess available to persons with a foreign degree : 2 (without grant).	
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	555.00 €	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	12/11/2013 - 3 p.m. at the Department of Law Studies (Dipartimento di Giurisprudenza), via Balbi 30, 16126 Genova	
Exam syllabus	The interview aims at evaluating the candidates' aptitude for research and will be based on a research project. The latter must be	
	presented with the candidates' application, clearly indicating: the scientific starting point, a basic bibliography, the organization of	
	the thematic profiles they intend to examine.	
Further	The following must be produced in the curriculum and attached documentation:	
information on	a) degree mark;	
how to present	b) the dissertation title of the specialist or "magistrale" degree (3+2 or 5 year degree course);	
qualifications	c) any post graduate study qualifications coherent with the research themes of the doctoral course;	
	d) any research experiences and research activities and training abroad that are coherent with the research themes of the doctoral	
	course;	
	e) the level of language knowledge.	
	Candidates' whose qualifications/publications and research project are not coherent with the research themes of the doctoral course will not be admitted to the interview.	
Research	a) Evolution of the rule of law and system of sources in comparative law	
themes	b) Evolution of property rights (title) in comparative law	
thenies	c) Strengthening process the democratic State in recent democracies	
	d) Supranational protection system of fundamental rights	
	e) Safeguarding and promotion of cultural diversities, the influence of multiculturalism on codification and legal reasoning on	
	court decisions	
	f) Evolution of federalism and regionalism in comparative law	
Information	Reference letters will not contribute to the final score.	
on references		
Foreign	Knowledge of one of the following languages: English, French, Spanish	
languages		
Further	Contact person in administration:	
information	Dott.ssa M. Stefania Lavezzo	
	e-mail: <u>55563@unige.it</u>	

Course in: ECONOMICS (CODE 5133)

Coordinator: M	azzoli Marco
	conomics (Dipartimento di Economia)
Places: 12 - Gra	
(*) 6 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	650,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 2 p.m., Teledidactics room (aula di Teledidattica), first floor, Department of Economics (Dipartimento di Economia – DIEC), Via Vivaldi 5 – 16126 Genova
Interview	06/11/2013 - 2 p.m., Teledidactics room (aula di Teledidattica), first floor, Department of Economics (Dipartimento di Economia – DIEC), Via Vivaldi 5 – 16126 Genova
Exam syllabus	For the written test: theme questions, chosen by the candidates, prepared by the examining commission, on some of the research themes included in the learning objectives of the doctoral course.
	For the interview: a discussion on the research interests and/or research programme of each single candidate, also on any of the attached qualifications/publications.
	Knowledge of English is compulsory in order to be admitted to the Doctoral Course in Economics, thus the examining commission will test candidates' English by means of a reading and translation test.
Further	Candidates may present, together with their applications, any publications in scientific journals on themes which are relevant to
information on	the doctoral course.
how to present	
qualifications	
Research themes	Interpretative models of financial instability and of the economic cycle for political economy decisions; fiscal, budget and regulation policies concerning different territorial levels; analysis of the quality of accounting data and its impact on financial markets; theoretical and econometric models for the analysis of financial markets and for the management of portfolios; regulation policies of "public utilities"; analysis of internationalization processes of enterprises; market system and role of competition in network industries; analysis of market regulation instruments; economic role of transport facilities; methods for the evaluation of efficiency and equity in healthcare; coordination issues among the different welfare systems in countries of the European Union.
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: dottoratodiec@economia.unige.it and copy to the personal email address of the Coordinator of the Doctoral Course: Marco.Mazzoli@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 information	Prof Marco Mazzoli Department of Economics (Dipartimento di Economia) Via Vivaldi, 5 16126 Genova GE e-mail: Marco.Mazzoli@unige.it; mazzoli@economia.unige.it
	Contact person in administration Ms Viviana Pastorino, Telephone: 0102095232 dottoratodiec@economia.unige.it

Course in: PHYSICS (CODE 5134)

Coordinator: R	idolfi Giovanni
Department of P	hysics (Dipartimento di Fisica - DIFI)
Places: 13 - Gra	
	available to persons with a foreign degree : 2 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
	on funds from MIUR/ Department of Physics (Dipartimento di Fisica - DIFI), the annual gross amount of the grant, including
	xpenses to be paid by the recipient, is €13.638,47
(*) 1 grant as per	Ministerial Decree 198/03 main field of research "ICT and electronic components", the annual gross amount of the grant,
	security expenses to be paid by the recipient, is €13.638,47
	ed by the National Institute of Nuclear Physics (Istituto Nazionale di Fisica Nucleare - INFN), the annual gross amount of the
	social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	05/11/2013 - 9 a.m. at the Department of Physics (Dipartimento di Fisica - DIFI), via Dodecaneso 33 - 16146 Genova. It is
	possible to use a computer connection. Please contact the Coordinator Prof. G. Ridolfi 7 days before the date of the interview. The
	interviews may continue beyond the date indicated: the commission will provide a calendar.
Exam syllabus	The interview will have the dual function of evaluating the candidates' basic level of preparation and their aptitude for research
	also in relation to the activities carried out in the Department.
Further	Candidates must present a short (maximum 1 page) research project or a description of their research interests.
information on	
how to present	
qualifications Research	
themes	Theoretical and experimental physics of fundamental interactions; string and field theory; theoretical and experimental theory of the nucleus and hadrons; physics of star particles; research for gravitational waves; physics applied to the environment, to the
themes	cultural heritage, to medicine; theoretical and experimental physics of condensed matter; surface physics; physics and applications
	of superconductive materials; nanosystems physics; science of materials and nanotechnologies applied to industry and medicine;
	biophysics; history of physics.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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 both of the following addresses:
	martinoli@fisica.unige.it
	giovanni.ridolfi@ge.infn.it
	with "PhD XXIX reference letter" in reference
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	
Further	Candidates can send an email to the following email addresses for information:
information	giovanni.ridolfi@ge.infn.it or to marco.pallavicini@ge.infn.it

Course in: CLINICAL AND EXPERIMENTAL IMMUNOLOGY (CODE 5135)

Coordinator: M	ingari Maria Cristina
	re for the research and study of molecular communication mechanisms between cells: from basic research to the clinic (Centro di
	o studio dei meccanismi molecolari di comunicazione tra cellule: dalla ricerca di base alla clinica - CEBR)
Places: 5 - Gran	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
	r Ministerial Decree 198/03 main field of research "Human Health – study and treatment of tumours and degenerative diseases by
means of new ap	proaches based on the knowledge of the human genome", the annual gross amount of the grant, including social security expenses
	recipient, is €13.638,47
(*) 3 grants fund recipient, is €13	ded by the Giannina Gaslini Institute, the annual gross amount of the grant, including social security expenses to be paid by the .638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	12/11/2013 - 9 a.m. in the meeting room of the 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
T 4	comunicazione tra cellule: dalla ricerca di base alla clinica - CEBR), first floor, Viale Benedetto XV - 16132 Genova
Interview	12/11/2013 - 2 p.m. in the meeting room of the 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), first floor, Viale Benedetto XV - 16132 Genova
Exam syllabus	Written test: a paper on a topic chosen among those included in the research lines of the Doctoral course.
Exam synabus	The interview will concern the candidates' qualifications/publications and a research project.
	English knowledge will be tested with the reading and translation of a passage from a scientific article.
Research	Basic immunology and pathoimmunology, immune-inflammatory pathologies in adults and children. Immunology of tumours.
themes	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	mariacristina.mingari@unige.it and the contact person in administration, Dott.ssa Daniela Guelfo 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	
Further	Contact person in the Secretarial Office of the CEBR:
information	Dr.ssa Daniela Guelfo
	Tel. 010/3533037
	daniela.guelfo@unige.it

Course in: COMPUTER SCIENCE AND ENGINEERING (CODE 5136)

Coordinator: De Floriani Leila			
Mathematical, Physics and Natural sciences Section of the Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento			
interscuola di Informatica, bioingegneria, robotica e ingegneria dei sistemi - DIBRIS)			
	Places: 12 - Grants: 6 (*).		
	Places in excess available to persons with a foreign degree: 1 (with a Marie Curie grant).		
	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47		
	(*) 1 grant as per Ministerial Decree 198/03 main field of research "ICT and electronic components", the annual gross amount of the grant,		
	including social security expenses to be paid by the recipient, is €13.638,47		
	(*) 1 grant funded by the Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria,		
	gneria dei Sistemi - DIBRIS): Distributed systems and smart sensor networks to improve tracking and logistic operations in a		
	ironment as Internet of Things (IoT) applications", the annual gross amount of the grant, including social security expenses to be		
paid by the recip	pient, is €13.638,47.		
Second	(only for graduate students who do not benefit from a grant)		
instalment	500,00		
Comparative	QUALIFICATIONS/PUBLICATIONS		
assessment			
procedure			
Further	Suggestions on how to organize research projects are available on the Computer Science Doctoral course Web page at the		
information on	following address		
how to present	http://www.disi.unige.it/dottorato		
qualifications	(section: Instructions for applicants).		
Research	The research lines of the Doctoral Course in Computer Science concern the main sectors of Computer Science, and in particular		
themes	comprise the following areas: automated learning, databases and information technology systems, image processing, graphics and		
	geometric modelling, artificial intelligence, software engineering, man-machine interaction, programming languages, parallel and		
	distributed systems, safety, computational vision.		
	The research themes available are described on the Web page:		
	http://www.dibris.unige.it/dottorati.		
	Research projects which do not refer to the specific themes listed above are acceptable as long as they are within the research		
	lines of the Doctoral course stated above.		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be		
on references	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.compsci@dibris.unige.it		
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
	A model of a reference letter is available on the Computer Science and Engineering Doctoral Web page at the following address:		
	http://www.disi.unige.it/dottorato		
<u></u>	(section: Instructions for applicants)		
Further	Coordinator of the Doctoral Course in Computer Science:		
information			
	Prof. Leila De Floriani		
	DIBRIS - Università di Genova		
	Via Dodecaneso 35 - 16146 Genova		
	Telephone: +39 (010) 3536704		
	Email address:		
	leila.defloriani@unige.it		
	Contact person in administration:		
	Ms Anna Vezzosi		
	DIBRIS - Universita' di Genova		
	Via Dodecaneso 35 - 16146 Genova		
	Telephone: +39 (010) 3536627		
	Email address:		
	anna.vezzosi@unige.it		

Course in: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING

Curriculum: FLUID DYNAMICS AND ENVIRONMENTAL ENGINEERING (CODE 5137)

Coordinator: Vittori Giovanna		
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale - DICCA)		
Places: 4 - Grants: 2 (*).		
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	07/11/2013 - 3 p.m. at the Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile,	
	chimica e ambientale - DICCA), via Montallegro 1 - 16145 Genova	
Exam syllabus	The interview will be an in-depth scientific discussion of the candidate's research project, Curriculum and on his/her	
	qualifications/publications.	
	On request, the interview may also be done using computers by contacting the Coordinator of the Doctoral Course Prof. Giovanna	
D 1	Vittori (vittori@dicca.unige.it) at least 15 days before the evaluation.	
Research	A) Fundamentals of fluid dynamics: Analysis and modelling of turbulence; Control and optimization of fluid systems; Dynamics	
themes	of vorticity and propelling thrust generated by an oscillating wing profile; Fluid-structure interaction for the study of innovative	
	systems for the production of energy (energy harvesting); Mixing phenomena and Langrangian dynamics in fluids.	
	B) Hydrodynamics and morphodynamics of water flows, coasts, estuaries and lagoons: Hydrodynamics and morphodynamics of estuaries and tidal environments (canals, shallow waters and sandbanks); Morphodynamics of the interwoven riverbeds;	
	Modelling of mobile bottom currents; Formation of large scale moulds of the sea floor associated with sea motions; Models of	
	coastal circulation and of wave motion in open sea and close to the coast; Dynamics of turbidity currents. Numeric weather and	
	sea models (atmosphere, waves and circulation).	
	C) Hydrology and management of water resources: understanding, monitoring and forecasting extreme hydrological phenomena	
	(floods and drought; extension, frequency and intensity; estimate of data uncertainty and assimiliation); Urban hydrology	
	(sustainable drainage; restoring natural processes; washing out of surfaces); Management of water resources; Hydraulic	
	constructions and plants; Effects of climatic variability and changes; Water and ecosystems (soil-plant-atmosphere interaction;	
	eco-hydraulogy; water and food).	
	D) Biological fluid dynamics: Eye fluid dynamics, Fluid dynamics of the circulatory system, Bio-mimetic control and fluid-	
	structure interactions.	
	E) Geomatics: GNSS satellite measurements for meteorology, Monitoring of the evolution of water courses, coastlines, estuaries,	
	lagoons and of landslides; (web)GIS and Geodatabase for the analysis of the environment and the territory.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	vittori@dicca.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English (foreign candidates must also prove their knowledge of Italian)	
languages		
Further	Prof. Giovanna Vittori vittori@dicca.unige.it	
information		
-	•	

Course in: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING

Curriculum: CHEMICAL ENGINEERING, MATERIALS AND PROCESSES (CODE 5138)

Coordinator: Vittori Giovanna		
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale - DICCA) Places: 4 - Grants: 2 (*).		
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47 Ministerial Decree 198/03 main fields of research: – "Energy saving and distributed micro-generation", the annual gross amount	
of the grant, incl	uding social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	07/11/2013 - 3 p.m. at the Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale - DICCA), via all'Opera Pia 15 - 16145 Genova	
Exam syllabus	The interview will be an in-depth scientific discussion of the candidate's research project, Curriculum and on his/her	
Í	qualifications/publications.	
ĺ	On request, the interview may also be done using computers by contacting Prof. Attilio Converti (converti@unige.it) at least 15	
	days before the evaluation.	
Research	A) Analysis and control of chemical processes with a low environmental impact	
themes	A1) Analysis and simulation of innovative systems of energy production	
I	A2) Enhanced biomass energy	
ĺ	A3) Carbon capture, transport and storage	
Í	A4) Oxidation of metals and alloys of technological interest	
Í	B) Plants and bioprocesses	
ĺ	B1) Eco-sustainable production of industrial compounds via biotechnology	
Í	B2) Thermodynamics and bioenergetics of bioprocesses	
Í	B3) Biotechnological reduction of pollutants B4) Enhancement of foodstuff residues and biomasses for the production of food compounds	
Í	B5) Rheology and conservation of foodstuffs	
Í	C) Reliability and safety of processing plants	
ĺ	C1) Modelling and mitigation of dispersion phenomena, emissions, fires and explosions	
ĺ	C2) Quantitative analysis of the environmental and accidental risk	
Í	C3) Human factor and prevention of accidents	
Í	C4) Movement and transport of dangerous substances	
Í	C5) Intrinsic safety	
Í	D) Materials engineering	
Í	D1) Ceramic, binding and composite materials engineering for the building industry	
ĺ	D2) Bi-dimensional and interface systems; surface wetting	
ĺ	D3) Engineering of biologic fabrics and bio-mimetic materials	
ĺ	D4) Characterization and properties of materials, durability and re-utilization	
ĺ	D5) Electrochemical technologies for the environment, energy and durability of materials	
ĺ	E) Product sustainability	
Í	E1) Analysis of the life-cycle of products and services	
ĺ	E2) EPD development	
	E3) Carbon strategy, processes and products for the reduction of CO2 and CDM processes.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the	
ĺ	public notice, to the Coordinator of the Doctoral Course at the following address:	
ĺ	Prof Attilio Converti (converti@unige.it).	
f	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English (foreign candidates must also prove their knowledge of Italian)	
languages	Duf Aville County and County is	
Further information	Prof: Attilio Converti <u>converti@unige.it</u>	
шогшаноп		

<u>Course in: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING</u> Curriculum: STRUCTURES, MATERIALS AND GEOTECHNICS (CODE 5139)

Coordinator: V	ittori Giovanna
	Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale - DICCA)
Places: 4 - Gran	
	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200.00€
	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Comparative assessment	QUALIFICATIONS/FUBLICATIONS AND INTERVIEW
procedure	
Interview	08/11/2013 - 2 p.m. at the Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile,
interview	
F II-h	chimica e ambientale - DICCA), via Montallegro 1 - 16145 Genova The interview will be an in-depth scientific discussion of the candidate's research project, Curriculum and on his/her
Exam syllabus	
	qualifications/publications.
	On request, the interview may also be done using computers by contacting Prof. Roberta Massabò (Roberta.Massabo@unige.it) at
D 1	least 15 days before the evaluation. A) Classical themes of structural and geotechnical engineering
Research	
themes	A1) The mechanics of solids, structures and soils;
	A2) The dynamics of structures;
	A3) The mechanics of constructions in reinforced-concrete, steel, brickwork, wood and earth;
	A4) The planning, safeguarding and consolidation of constructions;
	B) Specialist themes
	B1) The mechanics of composite and advanced materials
	B2) The mechanics of masonry
	B3) Seismic engineering
	B4) Wind engineering
	B5) Engineering of foundations
	C) Themes characterized by strong transversal ties with the lines of the other Curricula/Doctoral Research Courses in the
	University of Genova
	C1) Materials
	C2) Biomechanics
	C3) Seismology and Climatology
	C4) The risk associated with natural events
	C5) Aerodynamics and experimental methods in wind galleries
	C6) The production of wind energy
	C7) The monitoring, identification and control of structures;
T 0	C8) The stability of slopes and triggering mechanisms and propagation of landslides.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Roberta Massabò (Roberta.Massabo@unige.it)
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English (foreign candidates must also prove their knowledge of Italian)
languages	
Further	Prof. Roberta Massabò (Roberta.Massabo@unige.it)
information	

Course in: SYSTEMS ENGINEERING

Curriculum: SYSTEMS ANALYSIS AND OPTIMIZATION (CODE 5140)

	cone Simona
Polytechnic Sect	tion of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di
	ngegneria, robotica e ingegneria dei sistemi - DIBRIS)
Places: 5 - Grant	
(*) 2 grants as pe	er Ministerial Decree 198/03, main fields of research
	and distributed micro-generation"
- "Advanced tran	sport and logistics, mobility information on people and goods"
the annual gross:	amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
(*) 1 grant funde 13.638,47	d by Ansaldo STS S.p.A., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	12/11/2013 - 10 a.m. at the University Campus of Savona (Campus Universitario Savona), Palazzina Lagorio, Via Magliotto 2 -
	17100 Savona
Exam syllabus	The comparative assessment procedure consists in the evaluation of qualifications/publications and an interview on theoretical
·	and/or practical contents concerning the research themes presented below and the candidates' research activities.
Further	A summary of the qualifications/publications presented and attached to the application can be sent via email to the following
	address:
how to present	dottorato.sistemi@unige.it
qualifications	
Research	The research themes are listed at the following address
themes	http://www.dibris.unige.it/dottorati
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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.syseng@dibris.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	Coordinator of the Doctoral Course in Systems Engineering:
	Prof. Simona Sacone
	DIBRIS – Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi
	Via Opera Pia 13 - 16145 Genova
	Phone: +39 (010) 3536551
	Email: simona.sacone@unige.it

Course in: SYSTEMS ENGINEERING

Curriculum: SYSTEMS MONITORING (CODE 5141)

Coordinator: Sa	acone Simona
Polytechnic Sec	tion of the Department of IT, Bioengineering, Robotics and Systems Engineering (Sezione Politecnica del Dipartimento di
Informatica, bioi	ingegneria, robotica e ingegneria dei sistemi - DIBRIS)
Places: 4 - Gran	rts: 2 (*).
(*) 2 grants fund	led by the CIMA Foundation (Fondazione CIMA), the annual gross amount of the grant, including social security expenses to be
paid by the recip	ient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	11/11/2013 - 10 a.m. at the University Campus of Savona (Campus Universitario Savona), Palazzina Lagorio, Via Magliotto 2 -
	17100 Savona
Exam syllabus	The comparative assessment procedure consists in the evaluation of qualifications/publications and an interview on theoretical
	and/or practical contents concerning the research themes presented below and the candidates' research activities.
Further	A summary of the qualifications/publications presented and attached to the application can be sent via email to the following
information on	address:
how to present	dottorato.sistemi@unige.it
qualifications	TOTAL CHARLES IN THE CONTRACT OF THE CONTRACT
Research	The research themes are listed at the following address
themes	http://www.dibris.unige.it/dottorati
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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.svseng@dibris.unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	English
Further	Coordinator of the Doctoral Course in Systems Engineering:
information	Prof. ssa Simona Sacone
	DIBRIS – Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi
	Via Opera Pia 13 - 16145 Genova
	Phone: +39 (010) 3536551
	Email: simona.sacone@unige.it

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

Curriculum: TRANSPORT AND LOGISTICS SYSTEMS ENGINEERING (CODE 5142)

Coordinator: Cianci Roberto		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e		
	dei trasporti - DIME)	
	Places: 2 - Grants: 1 (*).	
	available to persons with a foreign degree : 2 (without grant).	
	er Ministerial Decree 198/03 main field of research: "Advanced transport and logistics, mobility information on people and tal gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	100,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	The "Transport and logistics systems engineering" curriculum presents research themes that deal with the mobility of people on	
themes	the various territorial scales: estimate and analysis of the demand for transport; analysis, simulation and optimization of the transport offer, of the demand/offer interaction, of the economic, territorial, energetic and environmental impact; • the planning, management and operation of intermodal transport networks of goods: mathematical models, analysis and optimization of the performance of the road, railway, air and sea transport infrastructures and services, as well as their intermodal interactions; • evaluation of the effects of interventions in relation to mobility systems projects even integrated, with special reference to the energetic and environmental impact on the territory and therefore to their general sustainability; • analysis and evaluation of the externalities of transport and logistics systems, with special reference to sustainability, safety and security features and issues, typical of each stage of transport and its interactions with the surrounding environment, even in relation to the different modes of transport and their integration.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Angela Di Febbraro, DIME, Via Montallegro 1 (Angela.DiFebbraro@unige.it)	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	roberto.cianci@unige.it	
information		

$\frac{\text{Course in: MACHINE AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND}}{\text{TRANSPORT}}$

Curriculum: MACHINE AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND PROPULSION (CODE 5143)

Coordinator: C	ianci Roberto
	Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e
dei trasporti - D	
Places: 8 - Gran	,
Places in excess	s available to persons with a foreign degree : 3 (without grant).
	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
	er Ministerial Decree D.M. 198/03 main field of research: "Expansion and development of the motor industry including two-
	es with low fuel consumption and low environmental impact engines", the annual gross amount of the grant, including social as to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	100,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	
Research	The research themes of the Curriculum concern the production of energy and aircraft propulsion. They are experimental, numeric
themes	and theoretical and concern:
	1) Turbo machines and combustors for the generation of energy and aircraft propulsion:
	flow 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
	• 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 plants;
	• realisation of simulators in simulated and real time;
	• analysis and optimization of complex and innovative plants for the production of energy.
	The themes in question present important links with transport systems, with model features linked to mathematical Physics and
	Numerics, with the Controls and the handling of signals.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Andrea Cattanei, DIME, Via Montallegro 1 (cattanei@unige.it)
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	roberto.cianci@unige.it
information	

$\frac{\text{Course in: MACHINE AND SYSTEMS ENGINEERING FOR ENERGY, THE ENVIRONMENT AND}}{\text{TRANSPORT}}$

$Curriculum: MATHEMATICAL\ ENGINEERING\ AND\ SIMULATION\ (CODE\ 5144)$

Coordinator: Cianci Roberto		
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e		
	dei trasporti - DIME)	
	Places: 2 - Grants: 1 (*).	
Places in excess	available to persons with a foreign degree : 2 (without grant).	
	r Ministerial Decree D.M. 198/03 main field of research: "Advanced transport and logistics, mobility information on people and	
goods", includin	g social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	100,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Research	The following research themes are comprised in the curricula:	
themes	1. 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. Models for the optimization of the performance of machines and energy systems.	
	2. Methods for the development and analysis of discreet and continuous models for the simulation of systems; 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.	
	3. Models with finite and infinite degrees of liberty. Diffusion problems and resolving techniques. Environmental issues	
	concerning public safety in the fight against terrorism.	
	4. Solid mechanics for girders/beams and elasto-plastic plates. Numerical control techniques.	
	5. 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.	
	6. Development and application of artificial intelligence techniques for the management of the value chain. Supporting geometric	
	methods for the development of simulators in virtual environments. Simulation applied to the logistics and transport sector for the	
	management of the supply chain for decision support.	
	7. Simulation applied to the military, tactic and strategic sector.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Roberto Cianci, DIME, Piazzale JF Kennedy, Pad. D (roberto.cianci@unige.it)	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	roberto.cianci@unige.it	
information		

Course in: MODERN AND CLASSICAL LITERATURES AND CULTURES

Curriculum: PHILOLOGY, INTERPRETATION AND HISTORY OF ITALIAN AND ROMANCE TEXTS (5145)

Coordinator: Verdino Stefano Fernando		
Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts (Dipartimento di Italianistica, romanistica, antichistica,		
arti e spettacolo – DIRAAS)		
Places: 4 - Grai		
(*) 2 grants fron	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	250,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	05/11/2013 - 2 p.m., at the Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts	
	(Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo – DIRAAS), Via Balbi 2, Room 8, 4 th floor - 16126	
	Genova.	
Interview	12/11/2013 - 9 a.m., at the Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts	
	(Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo – DIRAAS), Via Balbi 2 - 16126 Genova.	
Exam syllabus	Written test	
	Historical and literary comment and illustration of a text in verse or prose, namely the discussion of a theoretical or critical text	
	concerning one of the following subject fields: Italian literature, Italian linguistics, Italian philology, Romance philology and	
	linguistics, modern and contemporary Italian literature, literary theory, history of Italian literary criticism, Italian theatre literature.	
	Interview	
	Discussion of the written test and of the candidate's research project, which s/he must attach to the application. The examining	
	commission 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.	
	The translation of a passage from English or French will also be requested during the interview.	
Further	In order to better evaluate candidates' aptitude for research, they are advised to hand in a copy of their thesis and any publications	
information on	to the Secretarial office of DIRAAS (see above), where they can be collected when the public exam procedure is over.	
how to present	to the secretarial office of DIKAAS (see above), where they can be confected when the public exam procedure is over.	
qualifications		
Research	- Philology and criticism of Italian and Romance texts.	
themes	- Intertextual and intercultural research themes, from the origins of the "vulgar" literatures to contemporary Italian literature.	
1	- Italian lexicology and lexicography .	
	- Comedy, satire, parody: medieval and modern themes and practices.	
	- Intersections and contamination in Italian literature from Mannerism to the Twentieth Century.	
	Sub fields:	
	a) Ligurian workshop from the Sixteenth to the Twentieth Century	
	b) From Mannerism to Romanticism	
	c) The Risorgimento.	
	- Authorial Documents in Liguria.	
	- Literature and Journalism.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Quinto Marini, DIRAAS via Balbi 2	
	e-mail: quinto.marini@unige.it . The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English o French	
Foreign languages	Lightsh of Felich	
Further	Prof. Quinto Marini, DIRAAS via Balbi 2	
information	tel.: (+39) 010 209-51403	
mormation	e-mail: quinto.marini@unige.it	
	Prof. Stefano Verdino, DIRAAS Via Balbi 2	
	tel.: (+39) 010 209-51402	
	e-mail: stefano.verdino@unige.it	
	Prof. Giorgio.Bertone, DIRAAS via Balbi 6	
	tel.: (+39) 010 209-9811	
	e-mail: Giorgio.Bertone@unige.it	
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Course in: MODERN AND CLASSICAL LITERATURES AND CULTURES -

Curriculum: MODERN AND COMPARATIVE LITERATURES

Coordinator: Verdino Stefano Fernando		
Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts (Dipartimento di Italianistica, romanistica, antichistica,		
arti e spettacolo – DIRAAS)		
Places: 4 - 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 €13.638,47		
Second	(only for graduate students who do not benefit from a grant)	
instalment	250,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment	QUALIFICATIONS/FORECATIONS AND EXAM	
procedure		
Written test	06/11/2013 - 2 p.m. in the Library of the Department of Modern Languages and Cultures, Piazza S. Sabina 2 – 16124 Genova	
Interview	12/11/2013 - 9 a.m., at the Department of Modern Languages and Cultures, Piazza S. Sabina 2 – 16124 Genova	
Exam syllabus	The written test – in Italian or English, the candidate may choose – will concern issues of the modern novel (its theoretical	
	definition, its relationships with history and geography, its formal structures) and will imply the knowledge of the following	
	works:	
	- G. Lukács, Teoria del romanzo, 1920 (Italian translation SE).	
	- R. Girard, Menzogna romantica e verità romanzesca, 1961 (Italian translation Bompiani).	
	- M. Bachtin, Estetica e romanzo, 1979 (Italian translation Einaudi).	
	- U. Eco, Lector in fabula, 1979 (Bompiani)	
	- F. Moretti, Atlante del romanzo europeo, 1997 (Einaudi).	
	For initial introduction/familiarization the following is advised: Guido Mazzoni, Teoria del romanzo, il Mulino 2011.	
	The interview will be a discussion of the written paper and of a research project the candidate must attach to his/her application	
	form.	
	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.	
Further	In order to better evaluate candidates' aptitude for research, they are advised to hand in a copy of their thesis and any publications	
information on	to the Secretarial office of the Department of Modern Languages and Cultures, where they can be collected when the public exam	
how to present	procedure is over.	
qualifications		
Research	- Genesis and development of European and American narrative (from the Sixteenth to the Twentieth century).	
themes	- The language of modern and contemporary poetry.	
	- Forms of modern and contemporary dramaturgy.	
	- Travel literature.	
	- The processes of identity construction (national, colonial and post-colonial, gender).	
	- Influences and hybridizations among different cultural traditions, with special regard to the exchanges between Italian culture	
	and foreign cultures.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	e-mail: Giuseppe.Sertoli@lingue.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	During the interview candidates' knowledge of at least two of the languages among those taught in the Department will be tested:	
languages	French, English, German, Spanish, Portuguese, Russian, Polish.	
Further	Prof. Giuseppe Sertoli, Lingue e Culture moderne (Modern Languages and Cultures)	
information	Tel.: (+39) 010-2099557	
	e-mail: Giuseppe.Sertoli@lingue.unige.it	

Course in: MODERN AND CLASSICAL LITERATURES AND CULTURES

Curriculum: SCIENCES OF CLASSICAL STUDIES (CODE 5147)

Coordinator: Verdino Stefano Fernando		
Department of Italian and Romance languages, Classical Studies, Arts and Perfoming Arts (Dipartimento di Italianistica, romanistica, antichistica,		
arti e spettacolo – DIRAAS)		
Places: 4 - 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 €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	250,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment procedure		
Written test	06/11/2013 - 9 a.m., at the Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia - DAFIST) Linguistic and Literary Section, Via Balbi, 4, 3 rd floor, 16126 Genova.	
Interview	12/11/2013 - 9 a.m., at the Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia - DAFIST), Hellenic Section, Via Balbi, 4, ground floor, 16126 Genova.	
Exam syllabus	Orientation A (Classical Philology and Greek and Latin Literature)	
	- The written test will be a translation from Latin or Greek (the candidate may choose) with a philological and exegetic comment The interview will be a discussion in which the candidate will illustrate his/her research project, and a discussion of the written test.	
	Orientation B (Ancient History and Archaeology) - The written test will deal with the themes contemplated in the research themes in the light of ancient sources and modern	
	bibliography. - The interview will be a discussion in which the candidate will illustrate his/her research project, and a discussion of the written test.	
	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.	
Further information on how to present qualifications	In order to better evaluate candidates' aptitude for research, they are advised to hand in a copy of their thesis and any publications to the Secretarial office of Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia - DAFIST) Linguistic and Literary Section, Via Balbi, 4, 3 rd floor, where they can be collected when the public exam procedure is over.	
Research	Orientation A (Classical Philology and Greek and Latin Literature Filologia)	
themes	- Greek Philology and Literature;	
	- Latin Philology and Literature;	
	- Tradition and fortune of ancient Christian texts; - Didactics of the Greek and Latin languages and literature.	
	- Didactics of the Greek and Latin languages and interactive.	
	Orientation B (Ancient History and Archaeology)	
	- Greek Civilization: historical, political, institutional, social, economic, religious and cultural aspects;	
	- Roman Civilization: historical, political, institutional, social, economic, religious and cultural aspects;	
	- Late Ancient and Byzantine Civilization;	
Inform-4:	- 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 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:	
	Orientation A	
	Prof. Franco Montanari, e-mail: franco.montanari@unige.it	
	Orientation B	
	Prof. Francesca Gazzano e-mail: francesca.gazzano@unige.it The same atotas and agrico place of the saferage shoop by the condidates must be stated in their applications.	
Foreign	The name, status and service place of the referees chosen by the candidates must be stated in their applications. English or French or Spanish or German.	
languages	During the interview candidates must show sufficient knowledge of at least two of the languages indicated above, in order to translate a scientific publication.	
Further	Orientation A	
information	Prof. Franco Montanari, DAFIST - Sezione Ellenica (Hellenic Section)	
	tel. (+39) 010/2099724	
	e-mail: franco.montanari@unige.it	
	Orientation B	
	Prof. Francesca Gazzano DIRAAS (Sezione Antichistica – Classical Studies Section)	
	tel.: (+39) 010 209 9769, fax: 010 209 5468,	
	e-mail: francesca.gazzano@unige.it	

Course in: MATHEMATICS AND APPLICATIONS (CODE 5148)

Coordinator: Pi	ana Michele
Department of M	Iathematics (Dipartimento di Matematica - DIMA)
Places: 14 - Gra	
(*) 4 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
(*) 1 grant based	on funds from MIUR/Department of Mathematics (Dipartimento di Matematica - DIMA), the annual gross amount of the grant,
including social	security expenses to be paid by the recipient, is €13.638,47
(*) 1 grant fund 13.638.47	ed by Paramed s.r.l., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is \in
,	d by CMC Sud on I the approximate of the count including social experience to be not by the recipient in C
13.638,47	ed by C.M.CSud s.r.l., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	
Further	Candidates must present:
information on	- their curriculum vitae et studiorum
how to present	- a self-certified statement of their specialist degree mark
qualifications	- a self-certified statement of the exams they sat and the relative marks during the 5 years of the Specialist Degree
	- a research project (2 pages max.) which describes the research theme they intend to work on during the Doctoral Course in
	- their degree dissertation of the Specialist Degree (to be uploaded online)
	- two reference letters
Research	Harmonic analysis, Elliptic equations, Logic problems, Commutative algebra and computer algebra; Complex projective
themes	geometry, K-theory and algebraic cycles, Analytic theory of numbers, Geometric methods in physics theories, Quantum
	cosmology, Continuum mechanics, Mathematical probability and statistics, Numeric analysis and computational methods with
T 6 4	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
on references	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:
	Michele Piana via Dodecaneso 35 16146 Genova, Italy
	e-mail: piana@dima.unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	Michele Piana
information	Dipartimento di Matematica
	Universita' di Genova
	via Dodecaneso 35
	16146 Genova
	e-mail: piana@dima.unige.it
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Course in: MECHANICS, ENERGETICS AND MANAGEMENT

Curriculum: ECONOMY AND MANAGEMENT (CODICE 5149)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e		
dei trasporti - DIME)		
Places: 2 - Grants: 1 (*).		
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	300,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	04/11/2013 - 10 a.m., at the Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di	
	Ingegneria meccanica, energetica, gestionale e dei trasporti - DIME), Via Opera Pia 15 - 16145 Genova	
	On request, the interview may also be done using computers (video conference via SKYPE) by contacting the Coordinator of the	
	Doctoral Course Prof. Luca A. TAGLIAFICO (tgl@ditec.unige.it) in advance and in time.	
Exam syllabus	The interview will be a discussion of the research project and qualifications/publications presented.	
Further	Qualifications/publications must contain a detailed explanation and the planning of the development of a possible research project	
information on	concerning one of the syllabuses of the field Economy and Management, in order to evaluate the candidate's ability to organize	
how to present qualifications	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.	
quanneations	16,000 characters including spaces and punctuation) must comprise:	
	- the research title;	
	- field state of the art and relative bibliographic references;	
	- objectives and expected results.	
	In addition to the documentation that must be submitted by the online procedure, the following information, if present, will also	
	be taken into consideration:	
	- 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 words including spaces and puntuation);	
	- a list of the exams done with the number of credits, marks and syllabuses (max 500 characters including spaces and puntuation	
	for each course);	
	- any other qualifications relevant to the application and scientific activity carried out;	
	- a letter that states aptitude motivations and the advancement expectations of the candidate which prompted application.	
Research	The Economy and Management specialization aims at developing quantitative and computational approaches in finance and	
themes	economics. Two main research themes with the corresponding syllabuses have been singled out for this specialization:	
	1. 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 heterogeneous economic agents in artificial economic systems and which adapts better,	
	with respect to traditional dynamic stochastic models, to the development of a realistic representation of the economy. The	
	syllabus develops skills that can be applied directly to the financial industry, to government and international organizations and to	
	the academic world.	
	2. 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, statistical arbitrage as well as the emerging theme of high frequency automated trading. The syllabus develops skills for natural work opportunities	
	both in the financial and academic fields.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Luca A. TAGLIAFICO (tgl@ditec.unige.it)	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English	
languages	Coordinator of the IMEG doctoral research course	
Further information	Prof. Luca A. TAGLIAFICO	
mormation	DIME/TEC	
	Via all'Opera Pia 15/A	
	16145 GENOVA	
	tel +390103532880	
	e-mail tgl@ditec.unige.it	
-		

Course in: MECHANICS, ENERGETICS AND MANAGEMENT

Curriculum: TECHNICAL PHYSICS (CODICE 5150)

Coordinator: Tagliafico Luca Antonio			
Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e			
dei trasporti - DIME)			
Places: 4 - Grants: 2 (*).			
	(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47		
	ed on funds from MIUR/ Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di		
	anica, energetica, gestionale e dei trasporti - DIME), the annual gross amount of the grant, including social security expenses to be		
paid by the recip	pient, is €13.638,47		
Second	(only for graduate students who do not benefit from a grant)		
instalment	300,00€		
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
assessment			
procedure			
Interview	04/11/2013 - 10 a.m., at the Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di		
	Ingegneria meccanica, energetica, gestionale e dei trasporti - DIME), Via Opera Pia 15A - 16145 Genova		
	On request, the interview may also be done using computers (video conference via SKYPE) by contacting the Coordinator of the Doctoral Course Prof. Luca A. TAGLIAFICO (tgl@ditec.unige.it in advance and in time.		
Exam syllabus	The interview will be a discussion of the research project and qualifications/publications presented.		
Further	OUALIFICATIONS/PUBLICATIONS MUST CONTAIN A DETAILED EXPLANATION AND THE PLANNING OF THE		
information on	DEVELOPMENT OF A POSSIBLE RESEARCH PROJECT, quoting the TECHNICAL PHYSICS (TF) syllabus, and the field it		
how to present	refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the		
qualifications	candidate will generally carry out his/her activity within the syllabus chosen for his/her project, or similar themes, but not		
1	necessarily on specific activities described in the actual project.		
Research	The Syllabus of Technical Physics (TF) focalizes on research themes typical of the Macrosectors it refers to.		
themes	The TF syllabus of the IMEG Doctoral Course resumes the historical course of the Doctoral Courses in Technical Physics (which		
	first started in 1992).		
	Its objective is to educate young researchers capable of developing theoretical and experimental research in the sectors of		
	thermodynamics, thermo fluid dynamics and the transmission of heat; of dealing with research in the energetic sector, by means		
	of a correct methodological approach to the thermodynamic problem; of analyzing thermal, acoustic and luminous phenomena which contribute to defining the conditions of environmental wellbeing, as well as the environmental impact and the consequent		
	possibilities of control.		
	The TF syllabus develops research in the following fields:		
	1. Physics of building and environmental control		
	Components, thermotechnical systems and air-conditioning plants. Physics of building and environmental control. Illumination		
	techniques and applied acoustics.		
	The themes are developed according to the traditional approach of Environmental Technical Physics.		
	2. Applied energetics and thermo fluid dynamics		
	Thermodynamic analysis of energy systems. Energy sources, vectors and rational use of energy. Environmental impact of energy		
	systems.		
	Mono and multiphase thermodynamics. Thermophysical properties of materials. Techniques to increase the efficacy of thermo fluid dynamic processes.		
	The themes are developed according to the traditional approach of Industrial Technical Physics.		
	3. Nuclear plants		
	Within the availability of resources, to the first two fields the themes characteristic to Nuclear Plants will be added, for the		
	innovative application of the functioning principles of nuclear fission plants for the production of electricity and hydrogen and the		
	solution to advanced problems concerning the thermohydraulics of the core of thermal and fast reactors.		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be		
on references	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. Luca A. TAGLIAFICO (tgl@ditec.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	Coordinator of the IMEG doctoral research course		
information	Prof. Luca A. TAGLIAFICO		
	DIME/TEC		
	Via all'Opera Pia 15/A		
	16145 GENOVA		
	tel +390103532880		
	e-mail tgl@ditec.unige.it		

Course in: MECHANICS, ENERGETICS AND MANAGEMENT

Curriculum: <u>MECHANICS, MEASURES AND ROBOTICS</u> (CODE 5151)

C	allaction Turns Autoriti		
Coordinator: Tagliafico Luca Antonio Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e			
dei trasporti - DI			
	Places: 2 - Grants: 1 (*).		
	r Ministerial Decree 198/03 main field of research "Advanced manufacturing systems with an impact not only on tool machinery,		
but on the 'Mad	le in Italy' manufacturing compartments, such as the textile, garment and instrumental machinery industries", the annual gross		
	ant, including social security expenses to be paid by the recipient, is €13.638,47		
Second	(only for graduate students who do not benefit from a grant)		
instalment	300,00€		
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW		
assessment			
procedure			
Interview	04/11/2013 - 10 a.m., at the Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di		
	Ingegneria meccanica, energetica, gestionale e dei trasporti - DIME), Via Opera Pia 15A - 16145 Genova		
	On request, the interview may also be done using computers (video conference via SKYPE) by contacting the Coordinator of the		
	Doctoral Course Prof. Luca A. TAGLIAFICO (tgl@ditec.unige.it in advance and in time.		
Exam syllabus	The interview will be a discussion of the research project and qualifications/publications presented, and on the correlated field		
	themes.		
Further	QUALIFICATIONS/PUBLICATIONS MUST CONTAIN A DETAILED EXPLANATION AND THE DEVELOPMENT PLAN		
information on	OF A POSSIBLE RESEARCH PROJECT, quoting the Mechanics, Measures and Robotics (MMR) syllabus, and the field it refers		
how to present	to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate		
qualifications	will generally carry out his/her activity within the syllabus chosen for his/her project, or similar themes, but not necessarily on specific activities described in the actual project.		
Research	The Mechanics, Measures and Robotics (MMR) focalizes on research themes typical of the Macrosectors it refers to. In particular		
themes	research themes proposed concern the functional and constructive design sector, CAD, CAE, robot and manipulation, switch		
themes	systems, home automation (domotics), remote manipulation, modular robots and robots for safety, intelligent mini-vehicles,		
	systems for disassembly, mechanical behaviour of materials, environmental compatibility and recycling, pneumatics, oleo		
	dynamics, mechanical and mechatronic systems, motor vehicles (cars and motorbikes), 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, monitoring and maintenance, reliability, reverse logistics.		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be		
on references	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. Luca A. TAGLIAFICO (tgl@ditec.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	Coordinator of the IMEG doctoral research course		
information	Prof. Luca A. TAGLIAFICO		
	DIME/TEC Via all/Opena Pia 15/A		
	Via all'Opera Pia 15/A 16145 GENOVA		
	tel +390103532880		
	e-mail tgl@ditec.unige.it		
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Course in: MECHANICS, ENERGETICS AND MANAGEMENT

Curriculum: TECHNOLOGIES AND PLANTS (CODE 5152)

Coordinator: Tagliafico Luca Antonio		
Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e		
dei trasporti - DI		
Places: 2 - Gran	tts: 1 (*).	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	300,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure Interview	04/11/2013 - 10 a.m., at the Department of Mechanical, Energetics, Management and Transport Englineering (Dipartimento di	
Interview	Ingegneria meccanica, energetica, gestionale e dei trasporti - DIME), Via Opera Pia 15 - 16145 Genova	
	On request, the interview may also be done using computers (video conference via SKYPE) by contacting the Coordinator of the	
	Doctoral Course Prof. Luca A. TAGLIAFICO (tgl@ditec.unige.it in advance and in time.	
Exam syllabus	The interview will be a discussion of the research project and qualifications/publications presented, and on the correlated field	
	themes.	
Further	QUALIFICATIONS/PUBLICATIONS MUST CONTAIN A DETAILED EXPLANATION AND THE DEVELOPMENT PLAN	
information on	OF A POSSIBLE RESEARCH PROJECT, quoting the Technologies and Plants (TP) syllabus, and the field it refers to, in order to	
how to present qualifications	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, or similar themes, but not necessarily on specific activities	
quanneauons	described in the actual project.	
Research	The Technologies and Plants (TP) syllabus focalizes on research themes typical of the Macrosectors it refers to. It is organized in	
themes	two specializations:	
	1. Specialization Processing Technologies and Systems	
	• analysis of the variable that influence the 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 polymeric materials,	
	• surface analysis and fine tuning of techniques to obtain the desired degree of finishing and chemical reactivity.	
	2. Specialization Industrial Plants	
	• management of production processes,	
	Lean Manufacturing, Production, Assembly models,	
	 redesigning and costs of production processes, 	
	Life Cycle Assessment of plants and processes,	
	Engineering and industrialization of new products and production cycles.	
	The activities that will be carried out within the doctoral course aim at educating young researchers capable of developing	
	theoretical and experimental research starting from the analysis of the state of the art and, working autonomously, developing	
	innovative solutions.	
	The following laboratories are available for this syllabus:	
	- laboratory for the micro - macro structural and mechanic characterization of materials	
	- welding laboratory	
	 laboratory for the implementation of glued joints laboratory to test the environmental ageing of materials 	
	- laboratory of tools machinery, laboratory for the characterization of surfaces.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Luca A. TAGLIAFICO (tgl@ditec.unige.it) The name status and sorrise place of the referees shown by the condidates must be stated in their applications.	
Foreign	The name, status and service place of the referees chosen by the candidates must be stated in their applications. English	
languages	Zingmon .	
Further	Coordinator of the IMEG doctoral research course	
information	Prof. Luca A. TAGLIAFICO	
	DIME/TEC	
	Via all'Opera Pia 15/A	
	16145 GENOVA	
	tel +390103532880 e-mail tgl@ditec.unige.it	
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Curriculum: CLINICAL PATHOPHYSIOLOGY OF ENDOCRINE AND METABOLIC DISORDERS (CODE 5153)

Coordinator: B	Coordinator: Bagnasco Marcello Ferruccio		
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)			
Places: 2 - 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 €13.638,47			
Second	(only for graduate students who do not benefit from a grant)		
instalment	200.00€		
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM		
assessment	Q012L101101101101101101101101101101		
procedure			
Written test	11/11/2013 - 9 a.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova		
Interview	11/11/2013 – 2.30 p.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova		
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a discussion of the written test and of the candidates' research field of interest, also on the basis of previous activities stated in their curriculum vitae.		
Research	- Physiopathology of hypophyseal secretions, with special regard to the hypothalamus-somatotropin-prolactin axis and to the		
themes	IGF1 system		
	- Physiopathology of receptors for somatostatin in neuroendocrine tumours		
	- Epidemiological and clinical aspects of thyroid nodules even in relation to iodine supply		
	- Cellular mechanisms of insulin action and other growth factors		
	- Physiopathology of insulin resistance and diabetes type II		
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be		
on references	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: Contact professor: Prof Marcello Bagnasco (Course Coordinator): e-mail: bagnasco@csita.unige.it		
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova		
	Contact person in administration: Paolo Bava e-mail: paolo.bava@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 professor: Prof Marcello Bagnasco (Course Coordinator):		
information	tel. 010-3537979, e-mail: bagnasco@csita.unige.it		
	Contact person in administration: Paolo Bava		
	tel. 010-3537542, e-mail: paolo.bava@unige.it		

Curriculum: CLINICAL PATOPHYSIOLOGY OF RENAL, CARDIOVASCULAR AND ARTERIAL HYPERTENSIVE DISEASES (CODE 5154)

Curriculum: GERONTOLOGY, PATHOPHYSIOLOGY OF GERIATRIC DISEASES AND ANTI-AGEING MEDICINE (CODE 5156)

Coordinator: Bagnasco Marcello Ferruccio		
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)		
Places: 2 - Grants: 1 (*).		
(*) I grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47		
Please note that the grant and the two places will be assigned to the two candidates who classify as first on the list which is common to the two		
curricula.		
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	11/11/2013 - 9 a.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Interview	11/11/2013 - 2.30 p.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a	
	discussion of the written test and of the candidates' research field of interest, also on the basis of their curriculum vitae.	
Research	Curriculum: CLINICAL PATOPHYSIOLOGY OF RENAL, CARDIOVASCULAR AND ARTERIAL HYPERTENSIVE	
themes	DISEASES	
	- Arterial hypertension: determinants of renal and extra renal damage in patients with essential arterial hypertension.	
	- Microalbuminuria/proteinuria as predictors of renal and cardiovascular damage and light renal dysfunctions.	
	- Pathophysiological and pathogenic aspects of coronary and aortic atherosclerosis disease	
	- Mechanisms of artery thrombosis and the possible role of oxidizing stress in the pathogenesis of acute coronary syndromes and of aortic aneurysms.	
	Curriculum: GERONTOLOGY, PATHOPHYSIOLOGY OF GERIATRIC DISEASES AND ANTI-AGEING MEDICINE	
	Pathogenesis of neurodegenerative diseases related to ageing	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	Contact professor: Prof Marcello Bagnasco (Course Coordinator): e-mail: bagnasco@csita.unige.it	
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova	
	Contact person in administration: Paolo Bava e-mail: paolo.bava@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 professor: Prof Marcello Bagnasco (Course Coordinator):	
information	tel. 010-3537979, e-mail: bagnasco@csita.unige.it	
	Contact person in administration: Paolo Bava	
	tel. 010-3537542, e-mail: paolo.bava@unige.it	

Curriculum: CLINICAL AND EXPERIMENTAL RESPIRATORY PATHOPHYSIOLOGY (CODE 5155)

Coordinator: Bagnasco Marcello Ferruccio		
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)		
Places: 2 – 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 €13.638,47		
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	11/11/2013 - 9 a.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Interview	11/11/2013 - 2.30 p.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a	
	discussion of the written test and of the candidates' research field of interest, also on the basis of their curriculum vitae.	
Research	- The relationships between allergic inflammations and bronchomotricity, study of pharmacological and immunotherapeutic	
themes	effects on allergic inflammation and on bronchial reactivity.	
	- Function and structure of the bronchial part: study of inflammatory and remodelling processes.	
	- Mechanisms of bronchial obstruction at rest and under stress: clinical physiopathology and instrumental tests of the respiratory	
	function.	
	- Advanced therapeutic strategies in allergology and pneumology.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	Contact professor: Prof Marcello Bagnasco (Course Coordinator): e-mail: <u>bagnasco@csita.unige.it</u>	
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova	
	Contact person in administration: Paolo Bava e-mail: paolo.bava@unige.it	
T	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English	
languages	Contest surfaces Def Marcella Despues (Course Constitute)	
Further	Contact professor: Prof Marcello Bagnasco (Course Coordinator):	
information	tel. 010-3537979, e-mail: bagnasco@csita.unige.it	
	Contact person in administration: Paolo Bava	
	tel. 010-3537542, e-mail: paolo.bava@unige.it	

Curriculum: AUTOIMMUNE INFLAMMATORY DISEASES: PATHOPHYSIOLOGICAL AND DIAGNOSTIC ASPECTS (CODICE 5157)

Coordinator: Bagnasco Marcello Ferruccio	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)	
Places: 2 - 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 €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	11/11/2013 - 9 a.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Interview	11/11/2013 - 2.30 p.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a
	discussion of the written test and of the candidates' research 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.
	- Self-inflammation, autoimmunity and the cardiovascular apparatus: innate and acquired immunity and cardiocirculatory
	decompensation, role of the endothelium Atherosclerosis and innate and acquired immunity.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	Contact professor: Prof Marcello Bagnasco (Course Coordinator): e-mail: bagnasco@csita.unige.it
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova
	Contact person in administration: Paolo Bava e-mail: paolo.bava@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 professor: Prof Marcello Bagnasco (Course Coordinator):
information	tel. 010-3537979, e-mail: bagnasco@csita.unige.it
	Contact person in administration: Paolo Bava
	tel. 010-3537542, e-mail: paolo.bava@unige.it

Curriculum: DISEASES OF THE DIGESTIVE SYSTEM AND OF THE LIVER (CODICE 5158)

Coordinator: Bagnasco Marcello Ferruccio		
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)		
Places: 2 - 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 €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	11/11/2013 - 9 a.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Interview	11/11/2013 - 2.30 p.m., in Room C (Aula C) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a	
	discussion of the written test and of the candidates' research field of interest, also on the basis of their curriculum vitae.	
Research	- Helicobacter Pylori infection: role in functional dyspepsia, bacterial resistance in eradicating therapies, association with	
themes	extradigestive pathologies	
	- Gastroesophageal reflux diseases: evaluation of acid and non-acid reflux by means of pH-metry and impedentiometry,	
	correlation with histology.	
	- Small intestinal bacterial overgrowth (sibo): non-invasive diagnostic methods, role in different digestive diseases, endocrine,	
	autoimmune.	
	- HCV-correlated chronic hepatitis and hepatic fibrogenesis: diagnostic and therapeutic aspects, association with hepatocarcinoma	
T 6 4	and relative prognostic factors.	
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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:	
	Contact professor: Prof Marcello Bagnasco (Course Coordinator): e-mail: bagnasco@csita.unige.it	
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova	
	Contact person in administration: Paolo Bava e-mail: paolo.bava@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 professor: Prof Marcello Bagnasco (Course Coordinator):	
information	tel. 010-3537979, e-mail: bagnasco@csita.unige.it	
/	Contact person in administration: Paolo Bava	
	tel. 010-3537542, e-mail: paolo.bava@unige.it	

Course in: EXPERIMENTAL MEDICINE

Curriculum: BIOCHIMESTRY (CODE 5159)

0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Coordinator: Salamino Franca	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)		
Places: 3 - Gran	Places: 3 - Grants: 2 (*).	
	(*) 2 grants as per Ministerial Decree 198/03 main field of research "Human Health (study and treatment of tumours and degenerative diseases by	
	means of new approaches based on the knowledge of the human genome)", the annual gross amount of the grant, including social security	
	aid by the recipient, is €13.638,47.	
Second	(only for graduate students who do not benefit from a grant)	
instalment	500,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	06/11/2013 - 10 a.m., at the Department of Experimental Medicine (Biochemistry Section – Dipartimento di Medicina	
F 11.1	Sperimentale - DIMES), Viale Benedetto XV 1, auletta (small room), 1 st floor, 16132 Genova	
Exam syllabus	The interview will focus on topics relating to General Biochemistry, the illustration of any of the candidates' previous experience in the field of scientific 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	Study of molecular mechanisms for the regulation of cellular activity by protein mediators and not only, of natural origin.	
themes	Alteration in their regulation and associated pathogenicity.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the	
on references	public notice, to the Coordinator of the Doctoral Course at the following address:	
	Prof. Franca Salamino DIMES sez. Biochimica Viale Benedetto XV 1 16132 Genova	
	E-mail: salamino@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. Franca Salamino DIMES sez. Biochimica Viale Benedetto XV 1 16132 Genova Tel +39 010 3538160	
information	E-mail: salamino@unige.it	

Course in: EXPERIMENTAL MEDICINE

Curriculum: PHARMACOLOGY AND TOXICOLOGY (CODE 5160)

Coordinator: Sa	alamino Franca
Department of E	xperimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)
Places: 4 - Gran	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
	per Ministerial Decree 198/03 "The relaunching of the pharmaceutical industry also by means of the fine chemistry of natural
	new diagnostic applications and new active principles", the annual gross amount of the grant, including social security expenses to
	cipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	04/11/2013 - 10 a.m., at the Department of Pharmacy, Pharmacology and Toxicology Section (Dipartimento di Farmacia -
	Sezione di Farmacologia e Tossicologia), Viale Cembrano 4, 16148 Genova
Exam syllabus	The interview will focus on topics relating to General and Clinical Pharmacology and General and Special Toxicology, the
	illustration of any of the candidates' previous experience in the field of scientific research or while preparing their dissertation and
D 1	English knowledge will be tested with the reading and translation of a passage from a scientific article.
Research themes	Neuropharmacology, Neurotoxicology, Clinical Pharmacology and Genotoxicity.
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
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	Prof. Mario Marchi, Dipartimento di Farmacia, Viale Cembrano 4, 16148 Genova. e-mail: marchi@pharmatox.unige.it.
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	2.5
Further	Prof. Mario Marchi, Dipartimento di Farmacia, Viale Cembrano 4, 16148 Genova. (Tel. 010-3532657; e-mail:
information	marchi@pharmatox.unige.it).
	Prof. Ernesto Fedele, Dipartimento di Farmacia, Viale Cembrano 4, 16148 Genova. (Tel. 010-3532120; e-mail:
	fedele@pharmatox.unige.it).

Course in: MEDICINA SPERIMENTALE

Curriculum: MOLECULAR AND CELLULAR PATHOLOGIES OF DISEASES CORRELATED TO AGEING (CODE 5161)

Coordinator: Salamino Franca	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale - DIMES)	
Places: 3 – 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 €13.638,47,	
	amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	05/11/2013 - 10, a.m., in the General Pathology Division of the Department of Experimental Medicine (Dipartimento di Medicina
	Sperimentale - DIMES), Via Leon Battista Alberti, 2 - 16132 Genova
Exam syllabus	Interdisciplinary, experimental, clinical methodologies and pharmaceutical and therapeutic themes concerning the pathology of
	ageing and age-related and age-dependent diseases.
Research	Ageing theories
themes	- Molecular and cellular alterations in ageing
	- Ageing mechanisms of the sense organs
	- Molecular bases of neoplasias
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	Roberta Catelani, Dimes - Patologia Generale, Via Leon Battista Alberti, 2 Genova, mail patgen@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	Roberta Catelani, Dimes - Patologia Generale,
information	Via Leon Battista Alberti, 2 Genova,
	Tel. 0103538833, mail patgen@unige.it
L	

Course in: TRANSLATIONAL MEDICINE IN ONCOLOGY AND HAEMATOLOGY

Curriculum: TRANSLATIONAL HAEMATOLOGY (CODE 5162)

Coordinator: Ballestrero Alberto		
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)		
Places: 2 - 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 €13.638,47		
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM	
assessment		
procedure		
Written test	06/11/2013 - 9 a.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Interview	06/11/2013 - 3 p.m. a.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di	
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova	
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a	
	discussion of the written test and of the candidates' research field of interest/programmes, also on the basis of their curriculum	
	vitae.	
Research	Apoptosis regulation in neoplastic haematological pathologies.	
themes	Study of the pathogenesis of acute lymphocytic leukaemias.	
	Molecular analysis of leukaemias and multiple myeloma.	
	Innovative therapeutic approaches in the treatment of solid tumours and haematological neoplasias.	
	Tumour pathology as the pathology of the molecular networks of control.	
	Study of the molecular and pathogenic aspects of cardiotoxicity due to antiblastic drugs.	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references	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. Alberto Ballestrero (coordinator): e-mail: aballestrero@unige.it	
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova;	
	Prof. Marco Gobbi, e-mail gobbi@unige.it	
- ·	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English	
languages	G	
Further	Contact professors: Prof. Alberto Ballestrero (coordinator): tel. 010-3538668 e-mail: aballestrero@unige.it	
information	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova;	
	Prof. Marco Gobbi, tel 010-3538953, e-mail gobbi@unige.it	
	Contact person in administration: Paolo Bava tel. 010-3537542, e-mail: paolo.bava@unige.it	

Course in: TRANSLATIONAL MEDICINE IN ONCOLOGY AND HEMATOLOGY

Curriculum: ONCOLOGICAL GENETICS AND MOLECULAR PATHOLOGY (CODICE 5163)

Coordinator: B	allestrero Alberto
Department of I	nternal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)
Places: 2 - Grai	nts: 1 (*).
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	06/11/2013 - 9 a.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Interview	06/11/2013 - 3 p.m., a.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a
	discussion of the written test and of the candidates' research field of interest/programmes, also on the basis of their curriculum
	vitae.
Research	Determination of genes involved in the onset, progression and metastasis phase of the neoplasia by means of studies at tissue level
themes	for the development of tumourigenesis and targeted therapy.
	Evaluation of predisposition to the development of tumours. Studies on high and low penetrance susceptibility genes and new models to calculate the risk.
T 6 4	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	Contact professors: Prof Alberto Ballestrero (coordinatore): e-mail: aballestrero@unige.it
	Prof.ssa Giovanna Bianchi: e-mail: Giovanna.Bianchi@unige.it
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova
	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: Prof Alberto Ballestrero (coordinator): tel. 010-3538668; e-mail: aballestrero@unige.it
information	Prof.ssa Giovanna Bianchi: tel 010-3537977 e-mail: Giovanna.Bianchi@unige.it
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova.
	Contact person in administration: Paolo Bava
	tel 010-3537542, e-mail: paolo.bava@unige.it

Course in: TRANSLATIONAL MEDICINE IN ONCOLOGY AND HEMATOLOGY

Curriculum: TRANSLATIONAL ONCOLOGY (CODE 5164)

Coordinator: Ba	allestrero Alberto
	nternal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI)
Places: 4 - Grants: 2 (*).	
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
(*) 1 grant based	on funds from MIUR/ Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	06/11/2013 - 9 a.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di
	Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Interview	06/11/2013 - 3 p.m., in Room D (Aula D) of the Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina interna e Specialità mediche - DIMI), ground floor, Viale Benedetto XV, 6 - 16132 Genova
Exam syllabus	The written test will be on topics relating to the research themes indicated below. The oral test, an interview, may include a
	discussion of the written test and of the candidates' research field of interest/programmes, also on the basis of their curriculum
	vitae.
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, including thyroid and neuroendocrine
	tumours.
	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.
	Tumour pathology as the pathology of the molecular networks of control.
	Study of the molecular and pathogenic aspects of cardiotoxicity due to antiblastic drugs.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	Prof. Alberto Ballestrero (coordinatore) e-mail: aballestrero@unige.it
	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova;
	Prof. Francesco Boccardo e-mail F.Boccardo@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: Prof. Alberto Ballestrero (coordinator) tel. 010-3538668, e-mail: aballestrero@unige.it
information	c/o Dip. DIMI, viale Benedetto XV 6 - 16132 Genova;
	Prof. Francesco Boccardo tel. 010-5600503; e-mail F.Boccardo@unige.it
	Contact person in administration: Paolo Bava, tel. 010-3537542, e-mail: paolo.bava@unige.it

Curriculum: EPIDEMIOLOGY, PATHOPHYSIOLOGY AND DIAGNOSTIC AND CLINICAL MANAGEMENT OF INFECTIOUS DISEASES (CODICE 5165)

Coordinator: V	iscoli Claudio
Department of H	lealth Sciences (Dipartimento di Scienze della Salute - DISSAL)
Places: 4 - Gran	its: 2 (*).
(*) 2 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 10 a.m., in the Library of the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 – 16132 Genova
Interview	05/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute -
	DISSAL), Via Pastore 1 – 16132 Genova
Exam syllabus	The tests will concern topics relating to the research themes.
Research	1. Infection of the immunocompromised host: epidemiology, diagnostics and therapy.
themes	2. Antibiotic resistance and hospital infections: surveillance, epidemiology and clinical management.
	3. HIV infection: immunological alterations, opportunistic infections, antiretroviral therapy.
	4. Chronic hepatopathy correlated to HCV and HBV.
	5. Tuberculosis: epidemiology and drug resistance.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Claudio Viscoli: <u>claudio.viscoli@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	Dott.ssa Cristina Cartiglia
information	c.cartiglia@unige.it

$\label{lem:current} \textbf{Curriculum: EPIDEMIOLOGY AND PREVENTION OF VACCINE-PREVENTABLE DISEASES (CODICE 5166)}$

Coordinator: V	iscoli Claudio
Department of H	fealth Sciences (Dipartimento di Scienze della Salute - DISSAL)
Places: 2 - Gran	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL),
	Via Pastore 1 – 16132 Genova
Interview	05/11/2013 - 11.30 a.m., in the Library of the Department of Health Sciences (Dipartimento di Scienze della Salute -
	DISSAL), Via Pastore 1 – 16132 Genova
Exam syllabus	The tests will concern topics relating to the research themes.
Research	1. Epidemiology of transmissable vaccine-preventable and non vaccine-preventable diseases - Design, organization and
themes	evaluation of clinical-epidemiological and virological surveillance systems – Design, standardization and evaluation of molecular
	techniques for the detection and characterization of microorganisms – Utilization of mathematical models to evaluate the impact
	of preventive measures. 2. Immunological response to vaccinal preparations – Design, standardization and evaluation of technique 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 file 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. Regulating and authorizing aspects of vaccines – Ethic evaluations.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Giancarlo Icardi: <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	English
languages	
Further	Dott.ssa Cristina Cartiglia
information	c.cartiglia@unige.it

Curriculum: RESEARCH METHODOLOGY IN NURSING (CODICE 5167)

Coordinator: V	Siscoli Claudio
Department of H	Health Sciences (Dipartimento di Scienze della Salute - DISSAL)
Places: 2 - Grai	nts: 1 (*).
(*) 1 funded by	the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL)
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	05/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL),
	Via Pastore 1 – 16132 Genova
Interview	05/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute -
	DISSAL), Via Pastore 1 – 16132 Genova
Exam syllabus	The tests will concern topics relating to the research themes.
Research	1. Patient safety and error risk prevention in assistance procedures.
themes	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	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Loredana Sasso: <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	English
languages	
Further	Dott.ssa Cristina Cartiglia
information	c.cartiglia@unige.it

Curriculum: PREVENTION OF CANCER AND OF CHRONIC DEGENERATIVE DISEASES AND BIOSTATISTICS (CODICE 5168)

Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) Places: 4 - 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 €13.638,4 Second	Coordinator: Vi	iscoli Claudio
(*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638.4 Second instalment (only for graduate students who do not benefit from a grant) (200,00€ Comparative assessment procedure (OS/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) (Via Pastore 1 - 16132 Genova (OS/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 - 16132 Genova (OS/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 - 16132 Genova (DISSAL),	Department of H	ealth Sciences (Dipartimento di Scienze della Salute - DISSAL)
Second instalment (only for graduate students who do not benefit from a grant) Comparative assessment procedure QUALIFICATIONS/PUBLICATIONS AND EXAM Written test 05/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) Interview 05/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 - 16132 Genova 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. 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:	Places: 4 - Gran	tts: 2 (*).
instalment 200,00€ Comparative assessment procedure QUALIFICATIONS/PUBLICATIONS AND EXAM Written test 05/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) Via Pastore 1 - 16132 Genova Interview 05/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 - 16132 Genova 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. 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:	(*) 2 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Comparative assessment procedure Written test O5/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) Via Pastore 1 – 16132 Genova Interview O5/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 – 16132 Genova 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. 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: Prof. Alberto Izzotti: izzotti@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.	Second	(only for graduate students who do not benefit from a grant)
assessment procedure Written test 05/11/2013 - 10 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL) Via Pastore 1 - 16132 Genova Interview 05/11/2013 - 11.30 a.m., in the Library of the the Department of Health Sciences (Dipartimento di Scienze della Salute - DISSAL), Via Pastore 1 - 16132 Genova 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. 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: Prof. Alberto Izzotti: izzotti@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.	instalment	200,00€
Written test		QUALIFICATIONS/PUBLICATIONS AND EXAM
Written test	assessment	
Interview Discreption Dis	£	
Interview Discription Dis	Written test	
DISSAL), Via Pastore 1 – 16132 Genova 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. Information 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: Prof. Alberto Izzotti: izzotti@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
Research themes	Interview	
Research themes		
themes 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 cancer 6. Methodological principles for the design and analysis of studies of prognostic factors, effect markers of a treatment and surrogate endpoints. 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: Prof. Alberto Izzotti: izzotti@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
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surrogate endpoints. 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: Prof. Alberto Izzotti: izzotti@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
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Prof. Alberto Izzotti: <u>izzotti@unige.it</u> The name, status and service place of the referees chosen by the candidates must be stated in their applications.	on references	
The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
	-	
	Foreign	English
languages	0	
Further Dott.ssa Cristina Cartiglia		
information c.cartiglia@unige.it	information	c.cartigiia@unige.it

Course in: NEUROSCIENCES

Curriculum: CLINICAL AND EXPERIMENTAL NEUROSCIENCES (CODE 5169)

Coordinator: M	lancardi Giovanni Luigi
Department of N	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,
oftalmologia, ge	netica e scienze materno-infantili - DINOGMI)
Places: 4 - Gran	its: 2 (*).
(*) 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
Second	(only for graduate students who do not benefit from a grant)
instalment	400,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	06/11/2013 - 9 a.m. in the Aula (Room) Magna of the Neurological Clinic (Clinica Neurologica), Largo Paolo Daneo 3, 16132
	Genova
Exam syllabus	Description of a research project the candidates intend to develop during their doctoral course.
Further	The following qualifications/publications will be evaluated:
information on	- Degree mark
how to present	- Degree dissertation
qualifications	- Acknowledgments and prizes
	- Reference letters
	- Work experience
	- Publications, posters in congresses
Research	a) Neurology: multiple sclerosis; hereditary peripheral neuropathies and immunomediated neuropathies, degenerative diseases of
themes	the central nervous system, dementias, epilepsy, cerebrovascular diseases, extrapyramidal diseases and Parkinson's disease. b)
	Psychiatry: affective disorders, convulsive obsessive disorder, schizophrenia and manic-depressive psychosis. c) Neurogenetics:
	hereditary peripheral neuropathies, cerebellar ataxias, Huntington's disease, taupathies, type 1 and 2 neurofibromatosis. d)
	Developmental neurology: epilepsy, child cerebral palsy, mental retardation, extrapyramidal diseases, autism, neuromuscular
	diseases. e) Neuroimages: with the NMR Research Centre available for the study of diseases of the nervous system conventional,
	functional and spectroscopic and structural NMR methodologies will be developed for the most important diseases of the nervous
	system. f) Cellular and Molecular Neurophysiopathology - Cellular and molecular mechanisms of synaptic transmission and
	plasticity; Molecular mechanisms of the effects of neurotrophins on synaptic transmission and synaptogenesis; Generation and
	study of engineered circuits of cultured neurons on artificial substrates; Characteristics of the GABA-A receptors of cerebeller
	granule cells; Activity of synthetic molecules on NK1 receptors and on serotonin transporters; Role of chemokines in the
	physiology of neural stem cells and in the oncogenesis of brain tumours. g) Sleep Physiopathology - Application of macro and
	micro-structural mathematical models of the internal organisation of sleep to the study of dyssomnia and hypersomnia; Chrono-
	biology of the regulation of the sleep-waking cycle in relation to road safety and to shift workers; Role of neural mechanisms
	involved in the regulation of sleep in the epileptogenesis process. h) Pathogenesis of Neurodegenerative Diseases. i)
	Physiopathology of Movement. j) Stem cell therapies for diseases of the nervous system.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Giovanni Luigi Mancardi
	Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Università di
	Genova Largo Paolo Daneo 3, 16132 Genova
т.	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	Deef Cinemani Luici Managati
Further	Prof. Giovanni Luigi Mancardi
information	Coordinator of the Neurosciences Doctoral Course
	Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI) Università di
	Genova T-1, 010, 252, 7020, 7040, Fey, 010, 252, 9621.
	Tel. 010 353 7030 – 7040; Fax 010 353 8631;
	E-mail: glmancardi@neurologia.unige.it
	Dott see Peole Form, nauralegie @nauralegie unice it
	Dott.ssa Paola Fenu; neurologia@neurologia.unige.it

Course in: NEUROSCIENCES

Curriculum: NEUROSCIECES AND NEUROTECHNOLOGIES (CODICE 5170)

0 11 1 14	
	ancardi Giovanni Luigi
	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,
oftalmologia, ge	netica e scienze materno-infantili - DINOGMI)
Places: 14 - Gra	nts: 14 (*).
(*) 14 grants fun	ded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount
	uding social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	400,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	
Further	The following documentation must be submitted be means of the online procedure according to the guidelines of the public
information on	notice:
how to present	a) title and brief description of the degree dissertation;
qualifications	b) list of exams and their marks;
1	c) a signed research project concerning one or more of the research themes of the doctoral course object of the application
	(maximum 10 pages);
	d) The names, status and work place of the referees, at least 1 and not more than three, who must send reference letters about the
	candidate directly to the following email address: nbtphdcourse@iit.it ;
	e) a statement declaring the knowledge of English since it is the language of the doctoral course.
Research	Candidates are asked to prepare a research project of their choice related to one or more topics of the themes listed below. The
themes	soundness and originality of the project will also be evaluated.
	1. Molecular determinants of GABAergic synaptic plasticity.
	2. Optogenetic modulation of transcription: control of the RE1-silencing transcription factor (REST).
	3. Study of the molecular correlates of presynaptic terminal synaptic plasticity.
	4. Characterizing cellular functional organizations in neuronal networks with large-scale electrode arrays.
	5. Design, optimization and validation of microfluidic perfusion devices for microelectrode array electrophysiology and of
	neuromimetic parallel signal transmission circuits.
	6. Cellular determinants of brain circuit development and wiring.
	7. Investigation on cellular determinants of Rett Syndrome.
	8. Use of microRNAs to induce specific neuronal subtypes from in vitro reprogrammed human neural progenitors.
	9. Modelling and simulations of optogenetic probes to modulate gene expression and neuronal excitability.
	10. The genetics of high order cognitive dys/functions: relevance to schizophrenia.
	11. Basal Ganglia and Cortical Microcircuits.
	12. Neuromodulation of synaptic and behavioural plasticity in action control.
	13. Computational Approach to Decision-Making.
	14. Characterization of the molecular pathways underlying the Octopus vulgaris arm morphogenesis.
	For more details please check the following link:
	http://www.iit.it/phdschool
T C 4	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	nbtphdcourse@iit.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	For further information please write to: nbtphdcourse@iit.it
information	

Course in: NEUROSCIENCES

$Curriculum: MOTORY\ AND\ SPORTS\ ACTIVITIES\ SCIENCES\ (CODE\ 5171)$

Coordinator: M	ancardi Giovanni Luigi	
	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,	
	netica e scienze materno-infantili - DINOGMI)	
Places: 4 - Gran	Places: 4 - 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 €16.500,00	
Second	(only for graduate students who do not benefit from a grant)	
instalment	400,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	07/11/2013 - 10 a.m., in the Library of the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and	
	child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOGMI),	
	Largo Daneo 3 - 16132 Genova	
Exam syllabus	The interview will be 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.	
Further	The following will be evaluated:	
information on	1. Degree mark;	
how to present	2. Personal curriculum (including the Degree dissertation);	
qualifications	3. Research experience and scientific publications;	
	4. Research programme presented by the candidate.	
Research	The doctoral course will develop research lines concerning the study of: 1. motory performance, motory learning and	
themes	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	
Information	interaction between drugs and the physiology of athletic gestures).	
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	
on references	public notice, to the Coordinator of the Doctoral Course at the following address:	
	Prof. Giovanni Abbruzzese, e-mail: gabbruzzese@neurologia.unige.it	
	Dott.ssa Paola Fenu; neurologia@neurologia.unige.it	
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Foreign	English	
languages	Zagasa.	
Further	Prof. Giovanni Abbruzzese	
information	Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI)	
	Università di Genova	
	Tel. 010-3537039 Fax 010-3538631	
	E-mail: gabbruzzese@neurologia.unige.it	

Course in: CHEMISTRY AND MATERIALS SCIENCES AND TECHNOLOGIES

Curriculum: DRUG DISCOVERY (CODE 5172)

Coordinator: Sa	accone Adriana
	hemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI)
Places: 3 - Gran	
	led by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount
	uding social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	350,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	A 11 10 c (11 c)
Further	Assessable qualifications/publications: 1. qualifications and relative marks
information on how to present	2. reference letters (not more than three)
qualifications	3. research project in English
quantications	4. curriculum
	5. other optional qualifications/publications (masters, post-university qualification courses, publications in international 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, and specify the duration of the study cycles to their application in copies true to the original.
	Foreign candidates must 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.
Research	1. Application of biochemical and biophysical tools to characterize potential drug target proteins
themes	The candidate should prepare a research proposal describing a series of in vitro and in cells experiments, using suitable
	biochemical and biophysical approaches, to investigate the structure of a selected disease-linked protein, its function, and its
	protein interaction network. The application of techniques such as fluorescence, circular dichroism, NMR, EPR spectroscopes,
	isothermal titration calorimetry or surface plasmon resonance should be considered to achieve the final goal of identifying potential functional or mechanistic failures responsible for, or related to, the selected pathological conditions.
	2. Target characterization and inhibitor discovery using structural biophysics approaches
	Structural Biology and Molecular Biophysics approaches are revolutionizing current preclinical strategies that are used to
	investigate target biology and to discover novel drugs. Candidates should present a multidisciplinary research project (including
	background, objectives, strategy, and expected results) that focuses on the functional and structural characterization of a
	macromolecular protein target and the discovery of small molecules able to modulate its biological activity.
	3. Enzymatic catalysis and inhibition of pharmaceutically relevant enzymes
	Proposals should focus on pharmaceutically relevant enzymes. Research proposals should therefore introduce a drug discovery
	project, describing how different computational methods can be applied to identify a hit compound and, eventually, reach the
	status of optimized lead. Toward this end, quantum mechanics, molecular dynamics and QM/MM may be used. The project can
	be based also on structure-based drug design to identify putative inhibitors of relevant targets for drug discovery, thus including
T 6	docking and virtual screening, and de novo design of drug-like small molecules.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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_D3@iit.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	Dr. Tiziano Bandiera
information	Tel. +3901071781533
,	E-mail tiziano.bandiera@iit.it
	Contact person in administration
	Dr.ssa Cecilia Cattaneo
	Tel. +3901071781442
	E-mail <u>cecilia.cattaneo@iit.it</u>

Course in: CHEMISTRY AND MATERIALS SCIENCES AND TECHNOLOGIES

Curriculum: NANOCHEMISTRY (CODE 5173)

C1:4 C	Adding
Coordinator: Sa	
	Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI)
Places: 9 - Gran	
	ded by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount
	uding social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	350,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment procedure	
Further	Assessable qualifications/publications:
information on	1. qualifications and relative marks
how to present	2. reference letters (not more than three)
qualifications	3. research project in English
quantications	4. curriculum
	5. other optional qualifications/publications (masters, post-university qualification courses, publications in international 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, and specify the duration of the study cycles to their application in copies true to the original.
	Foreign candidates must 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.
Research	Optical spectroscopy on colloidal nanocrystals and their superlattices
themes	Optical investigation of novel nanocrystals and the resulting films focused on their suitability for nanocrystal based lasers and
	nonlinear optical switches
	2. Magnetic nanoparticles for cancer stem cell targeting
	Development of colloidal magnetic nanocrystals as nano-platform for combined cancer treatment based on hyperthermia and drug
	release 3. Synthesis of pH and thermo-responsive polymers and their combination with inorganic nanoparticles for controlled drug
	delivery
	Development of pH and thermo responsive polymers for encapsulation and delivery of chemotherapeutic agents
	4. Experiment and simulation of (S)TEM images and EEL spectra on complex semiconductor and oxide nanostructures
	Model-based quantitative analysis of nanostructured systems via high resolution transmission electron microscopy to shed light on
	their structural properties
	5. Novel catalytic materials based on nanocomposites for water gas shift reaction and selective carbon monoxide oxidation
	New catalysts for CO abatement in hydrogen-rich gases for fuel cells produced through steam reforming of fossil fuels, alcohols
	or biomasses
	6. Nanoparticles for energy storage applications
	Development of nanocrystals based composite materials for energy storage applications
	7. Study of the chemical transformations in nanocrystals for applications in plasmonics and photovoltaics
	Study of chemical transformations in nanocrystals to prepare nanoscale materials with finely tuned properties for applications in
	plasmonics and photovoltaics
	8. Coupling excitons and plasmons Design and fabrication of hybrid coming dyster metal representatives and investigation of their enterleadment represents with
	Design and fabrication of hybrid semiconductor-metal nanostructures and investigation of their optoelectronic properties with
	focus on the coupling of excitons and plasmons 9. Electronic properties of novel two-dimensional materials
	Study of the optical and electrical properties of 2D materials beyond graphene, e. g. layered dichalcogenides obtained by chemical
	synthesis
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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_nach@iit.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	Contact person in administration
information	Dr.ssa Iulia Manolache
	Tel: +3901071781718
	iulia.manolache@iit.it

Course in: SCIENCE AND TECHNOLOGY OF CHEMISTRY AND MATERIALS

Curriculum: SCIENCE AND TECHNOLOGY OF MATERIALS (CODICE 5174)

Coordinator: Sa	accone Adriana
	hemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI)
Places: 6 - Gran	
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00
	r Ministerial Decree 198/03 main field of research "New applications in the biomedical industry", the annual gross amount of the
	social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	350,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	07/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale -
	DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to the
	address: putti@fisica.unige.it
Exam syllabus	During the interview candidates will be requested to illustrate the research project 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 research project. Knowledge of English will also be verified during the interview.
Further	Assessable qualifications/publications:
information on	1. qualifications and relative marks
how to present	2. reference letters (not more than three)
qualifications	3. research project in Italian or English
quanifications	4. curriculum
	5. other optional qualifications/publications (masters, post-university qualification courses, publications in international 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, and specify the duration of the study cycles to their application in copies true to the original.
	Foreign candidates must 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
D 1	not necessarily on specific activities described in the actual project.
Research	Experimental investigation and analysis of the modelling of metallic materials, alloys, oxides, ceramic, polymeric, composite, biomolecular and biocompatible materials. Correlations between methods of production (synthesis, film deposition, crystal
themes	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, 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	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	 putti@fisica.unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	Linguisi
Further	Prof. Marina Putti
information	Tel. +390103536383
	E-mail putti@fisica.unige.it
	Contact person in administration
	Mrs Noemi Pretelli
	Tel. +390103536161/8752
	E-mail noemi@chimica.unige.it

Course in: SCIENCE AND TECHNOLOGY OF CHEMISTRY AND MATERIALS

Curriculum: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 5175)

Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI) Places: 8 - Grants: 4 (*). Places in excess available to persons with a foreign degree : 1 (without grant). (*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500 (*) 1 grant as per Ministerial Decree 198/03 main field of research – "Enhancement of the typical products of agricultural foodstuff and f safety by means of new systems concerning characteristics and quality guarantees", the annual gross amount of the grant, including social secure expenses to be paid by the recipient, is €16.500,00 Second (only for graduate students who do not benefit from a grant) 350,00€ Comparative assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	ood rity
Places: 8 - Grants: 4 (*). Places in excess available to persons with a foreign degree : 1 (without grant). (*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500 (*) 1 grant as per Ministerial Decree 198/03 main field of research – "Enhancement of the typical products of agricultural foodstuff and f safety by means of new systems concerning characteristics and quality guarantees", the annual gross amount of the grant, including social secure expenses to be paid by the recipient, is €16.500,00 Second (only for graduate students who do not benefit from a grant) instalment 350,00€ Comparative assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	ood rity
(*) 3 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500 (*) 1 grant as per Ministerial Decree 198/03 main field of research – "Enhancement of the typical products of agricultural foodstuff and f safety by means of new systems concerning characteristics and quality guarantees", the annual gross amount of the grant, including social secure expenses to be paid by the recipient, is €16.500,00 Second (only for graduate students who do not benefit from a grant) instalment 350,00€ Comparative assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	ood rity
(*) 1 grant as per Ministerial Decree 198/03 main field of research — "Enhancement of the typical products of agricultural foodstuff and f safety by means of new systems concerning characteristics and quality guarantees", the annual gross amount of the grant, including social secuexpenses to be paid by the recipient, is €16.500,00 Second (only for graduate students who do not benefit from a grant) 350,00€ Comparative assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	ood rity
safety by means of new systems concerning characteristics and quality guarantees", the annual gross amount of the grant, including social secuexpenses to be paid by the recipient, is €16.500,00 Second (only for graduate students who do not benefit from a grant) 350,00€ Comparative assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	lle -
expenses to be paid by the recipient, is €16.500,00 Second instalment	lle -
Second instalment (only for graduate students who do not benefit from a grant) Comparative assessment procedure QUALIFICATIONS/PUBLICATIONS AND INTERVIEW Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
instalment 350,00€ Comparative assessment procedure QUALIFICATIONS/PUBLICATIONS AND INTERVIEW Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
Comparative assessment procedure QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	the
assessment procedure Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
Interview O8/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
Interview 08/11/2013 - 9 a.m. at the Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industria DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
DCCI), via Dodecaneso 31 - 16146 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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	the
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 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	
The motivated request for video-conference modality must be sent within and not beyond 31/10/2013 by means of an email to address: Adriana.Saccone@unige.it	
address: Adriana.Saccone@unige.it	
Exam syllabus During the interview candidates will be requested to illustrate the research project they presented. The Examining Commission will examine content originality, feasibility and execution modalities of the Project, as well as its relevance to the research their	ILCS
of this public exam, in order to evaluate the candidate's ability to develop a research project.	
Knowledge of English will also be verified during the interview.	
Further Assessable qualifications/publications:	
information on 1. qualifications and relative marks	
how to present 2. reference letters (not more than three)	
qualifications 3. research project in Italian or English	
4. curriculum	
5. other optional qualifications/publications (masters, post-university qualification courses, publications in international journal presentations in conferences, patents, study or research awards).	.S,
All candidates must attach the certificates relative to all their study qualifications at university level, with the correspond	lino
marks, and specify the duration of the study cycles to their application in copies true to the original.	ing
Foreign candidates must clearly state the number of years which correspond to each study cycle carried out previous to Unive	sity
enrolment.	•
If admitted to the doctoral course, the candidate will carry out his/her activity within the syllabus chosen for his/her project, but	t
not necessarily on specific activities described in the actual project.	
Research 1. Chemistry and Physical Chemistry of photoactive materials themes 2. Nanoparticles for technological applications	
themes 2. Nanoparticles for technological applications 3. Synthesis and study of crystal-chemical, thermal, magnetic properties and transport of oxides, nitrides and carbides	
4. Determination of chemical species of environmental and oceanographic interest	
5. Development of chromatographic innovative methodologies coupled with mass spectrometry	
6. Analytical studies concerning the employment of techniques of atomic spectrometry	
7. Chemical, enzymatic and organocatalytic synthesis of biologically active compounds	
8. Synthesis and reactivity of heterocyclic compounds	
9. Phase equilibria and thermodynamics of metallic materials: experimental and theoretical aspects	
10. Intermetallic compounds: synthesis, structure, properties and technological applications11. Advanced metallic materials	
12. Hybrids polymeric materials and nanocompounds	
13. Polymeric nanostructures for photonics	
14. Membranes and membrane processes and of matrix	
15. Chemistry for the study and preservation of the cultural heritage	
Information Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be	
on references 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: Adriana.Saccone@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. Adriana Saccone	
information Tel. +390103536154	
E-mail Adriana.Saccone@unige.it	
Contact person in administration	
Mrs Noemi Pretelli Tel. +390103536161/8752	
E-mail noemi@chimica.unige.it	
~	

Course in: SCIENCE AND TECHNOLOGY OF CHEMISTRY AND MATERIALS

Curriculum: PHARMACEUTICAL, NUTRITIONAL AND COSMETIC SCIENCES (CODE 5176)

Coordinator: Sa	accone Adriana
	hemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale - DCCI)
Places: 8 - Gran	
	available to persons with a foreign degree : 1 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00
Second instalment	(only for graduate students who do not benefit from a grant) 350,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	(
procedure	
Interview	07/11/2013 - 9.30 a.m. at the Department of Pharmacy (Dipartimento di Farmacia - DIFAR, 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 31/10/2013 by means of an email to the
	address: silvia@difar.unige.it
Exam syllabus	Basic knowledge of Pharmaceutical and Toxicological Chemistry, Chemiometry, Organic and Macromolecular Chemistry,
	Phytochemistry, Pharmacognosy, Pharmaceutical Technology, the Chemistry of Cosmetic Products, Foods Chemistry and
	Chemistry of Diet Products. Discussion of the degree dissertation and the research themes proposed.
Further	Besides the usual qualifications/publications, the following are also required:
information on	1. A Curriculum vitae et studiorum. It must comprise information on the name/type and mark of the degree or an equivalent
how to present	qualification (except for final year students who have enrolled conditionally), the title and a brief description of the thesis (where
qualifications	requested), as well as a list of exams and their marks. The Curriculum vitae may be in Italian or English.
	2. A signed research project concerning the research theme of the doctoral course object of the application (maximum 10 pages, in Italian or English);
	3. Any other qualifications/publications, certifications, deemed useful for admission (optional).
Research	1) Study of active principles of natural origin and their structural modifications.
themes	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 potentially active on the cardiovascular system.4) Design, synthesis and evaluation of the biological activity of new selective PDE 4 inhibitors for the treatment of
	neurodegenerative pathologies.
	5) Advanced computational methodological applications for the study of the ligando-receptor and ligando-enzyme interaction at
	molecular level.
	6) Food and diet food safety: singling out of beneficial and harmful substances.7) Micro and nanostructured functional copolymers of biochemical and pharmaceutical interest, and innovative reactive polymers
	for supported organic synthesis and combinatorial chemistry aimed at finding new bioactive principles.
	8) Bioadhesive pharmaceutical forms, colloidal systems for the release and direction of pharmaceuticals.
	9) Development of chemometric methods and applications. Multivariate calibration for spectrometry, electronic nose and tongue.
	Experimental design.
	10) Search for biologically active phytoconstituents.11) Study of biogeochemical cycles of trace elements: presence, distribution and bioaccumulation in living organisms; effects on
	the food chain.
	12) Application of microwave technology in organic and inorganic synthesis and methodologies of reaction without solvent as
	"Green Chemistry" procedures.
	13) Application of microwaves for the preparation of the analytical sample in the study of active principles of botanical origin and
Information	in the analysis of cosmetic products. Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	silvia@difar.unige.it
Б	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages Further	Prof. Silvia Lanteri
information	Tel. +390103532634
	E-mail silvia@difar.unige.it
	Contact person in administration Mrs Noemi Pretelli
	Tel. +390103536161/8752
	E-mail noemi@chimica.unige.it
	general

Curriculum: BOTANY APPLIED TO AGRICULTURE AND THE ENVIRONMENT (CODE 5177)

Coordinator: Fi	rno Marco
	arth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita - DISTAV)
Places: 4 - Gran	
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	250.00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	QCILLITET TO THE TOTAL THE EVILLE W
procedure	
Interview	06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth,
211002 1 10 11	Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente e della vita – DISTAV), Corso Europa 26 -
	16132 Genova
Exam syllabus	The interview will be on the activities carried out by the Candidate and on his/her capacity to use work tools and experimental
	methods relative to the research field of the project presented.
Further	Please note that the choice of the theme of the research project will not change the graduate student's legal status concerning the
information on	object of the research activity that will be carried out during the doctoral course, according to the Teaching Body's indications.
how to present	The information in the application and in its attached documents are what is meant by qualification/publications.
qualifications	The following documents must be attached to the application:
-	a) a curriculum vitae et studiorum (maximum 10 pages long);
	b) a research project relative to one or more of the themes of the doctoral course object of the application (maximum 10 pages
	long);
	c) a document containing the title of the degree dissertation and a brief description of it, as well as a list of the exam and marks
	(maximum 10 pages long);
	d) any other qualifications/publications relative to the research themes dealt with in the doctoral course (maximum 10 pages);
	e) at least one and no more than three reference letters.
	In addition to English and Italian stated in the general Notice of Public Exam, candidates may submit their applications and
	documentation in Spanish or French.
Research	a) Biodiversity and food products: characterization of honeys, floral biology, environmental monitoring and conservation.
themes	b) Use of conventional and non conventional natural resources for the biological and integrated battle in Mediterranean
	agriculture.
	c) Bioaccumulation and Phyto/Myco-remediation
T 6 4	d) Re-utilization of agricultural sub-products on the basis of their biological properties.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Marco Firpo (DiSTAV) Dipartimento di Scienze della Terra, dell'Ambiente e della Vita. Università di Genova. Corso
	Europa 26 - 16132 Genova, Italy (firpo@dipteris.unige.it)
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	Engusi
Further	Prof. Mauro Mariotti
ruriner information	Polo Botanico Hanbury, Dipartimento di Scienze della Terra, dell'Ambiente e della Vita, Corso Dogali 1M, 16126 Genova.
mioi manon	(m.mariotti@unige.it)
	(m.mmoru e unge.n)

Curriculum: ORGANISMS AND THE ENVIRONMENT (CODE 5178)

Places: 2 - Grant (*) 1 grant based	arth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita - DISTAV) ts: 1 (*). on funds from MIUR/ Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente STAV), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47 (only for graduate students who do not benefit from a grant) 250,00€ QUALIFICATIONS/PUBLICATIONS AND INTERVIEW 06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth,
(*) 1 grant based e della vita – DIS Second instalment Comparative	on funds from MIUR/ Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente STAV), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47 (only for graduate students who do not benefit from a grant) 250,00€ QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
e della vita – DIS Second instalment Comparative	STAV), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47 (only for graduate students who do not benefit from a grant) 250,00€ QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Second instalment Comparative	(only for graduate students who do not benefit from a grant) 250,00€ QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
instalment Comparative	250,00€ QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
	06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth,
procedure	06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth,
Interview	Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente e della vita – DISTAV), Corso Europa 26 - 16132 Genova
Exam syllabus	The interview will be on the activities carried out by the Candidate and on his/her capacity to use work tools and experimental methods relative to the research field of the project presented.
Further information on how to present qualifications	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. The information in the application and in its attached documents are what is meant by qualification/publications. The following documents must be attached to the application: a) a curriculum vitae et studiorum (maximum 10 pages long); b) a research project relative to one or more of the themes of the doctoral course object of the application (maximum 10 pages long); c) a document containing the title of the degree dissertation and a brief description of it, as well as a list of the exam and marks
	(maximum 10 pages long); d) any other qualifications/publications relative to the research themes dealt with in the doctoral course (maximum 10 pages); e) at least one and no more than three reference letters. In addition to English and Italian stated in the general Notice of Public Exam, candidates may submit their applications and documentation in Spanish or French.
Research	1) Study of microbial communities and their functions in the environment.
themes	 Development of new technologies for the research and characterization on a clonal level of environmental pathogenic microorganisms. Evolutionary study of cellular and molecular interactions between living beings and mineral matrixes. Study of the different aspects of the physiology of organisms in relation to the multiple environmental variables. Endocrine interferents and mankind and environmental health; neuroendocrine regulation of functions: modulation of endogenous and environmental factors. "In vitro" expression and characterization of proteins with possible applications in the environment. Study and characterization of natural compounds (e.g. secondary metabolites of sea organisms) and their possible biological activity.
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: Prof Marco Firpo (DiSTAV) Dipartimento di Scienze della Terra, dell'Ambiente e della Vita Università di Genova Corso Europa 26 16132 Genova, Italy (firpo@dipteris.unige.it) The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English
languages	—··o-····
Further information	Prof. Carla Pruzzo Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV) Telephone:(+39) 010 353 - 8251 (+39) 010 353 - 7753 Fax: (+39) 010 353 - 8267 E-mail: Carla Pruzzo@unige.it

Curriculum: MARINE SCIENCE (CODE 5179)

Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita - DISTAV) Places: 4 - Grantes 2 (*). (*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47 Second (only for graduate students who do not benefit from a grant) Interdinent (20,000€ QUALIFICATIONS PUBLICATIONS AND INTERVIEW Sessessment procedure Interview (06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente e della vita – DISTAV), Corso Europa 26 - 16132 Genova Exam syllabus The interview will be on the activities carried out by the Candidate and on his/her capacity to use work tools and experimental methods relative to the research field of the project presented. Further information on how to present qualifications Pleuse 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. The information in the application and in is attached documents are what is meant by qualification/publications. The following documents must be attached to the application: The following documents must be attached to the application: 1) a curriculum vitae et studiorum (maximum 10 pages long); 2) a research project relative to one or more of the themes of the doctoral course object of the application in the following documents must be attached to the applications on a project relative to the research themes dealt with in the doctoral course (maximum 10 pages); e) a research project relative to one or more of the themes of the doctoral course according to the application (maximum 10 pages); e) a research project relative to one or more of the themes of the doct	Coordinator: Firpo Marco		
Places: 4- 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 €13.638,47 Second Comparative School Comparative School Comparative School Comparative School Comparative Com			
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instalment 250,00€ Comparative assessment procedure Interview QUALIFICATIONS/PUBLICATIONS AND INTERVIEW Off-11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente e della vita – DISTAV), Corso Europa 26-16132 Genova Exam syllabus The interview will be on the activities carried out by the Candidate and on his/her capacity to use work tools and experimental methods relative to the research field of the project presented. Further information on how to present 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. The following documents must be attached to the application: a) a curriculum vitae et studiorum (maximum 10 pages long); b) a research project relative to one or more of the themes of the doctoral course object of the application (maximum 10 pages long); c) a document containing the title of the degree dissertation and a brief description of it, as well as a list of the exam and marks (maximum 10 pages long); d) any other qualifications/publications relative to the research themes dealt with in the doctoral course (maximum 10 pages); e) at least one and no more than three reference letters. In addition to English and Italian stated in the general Notice of Public Exam, candidates may submit their applications and documentation in Spanish or French. Bresearch themes can be summarized as follows: a) The study of marine biodiversity and its distribution also with reference to the evaluation of conservation interventions, both planned and already in course. Description of the structure and dynamics of benthic communities both of the hard and soft substrata and their relationship with the water column. Study of the plankton communities and troph	(*) 2 grants from		
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26 16132 Genova, Italy (firpo@dipteris.unige.it)			
states and service place of the reference chosen by the candidates must be stated in their approachous.		The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
	Foreign	English	
languages P. C. P. L.			
Further information Prof. Roberto Pronzato Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)			
Telephone: (+39) 010 353 - 8177	mormation		
E-mail: pronzato@dipteris.unige.it			

Curriculum: EARTH SCIENCES 5180)

Coordinator: Fi	rno Morao
	arth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita - DISTAV)
Places: 4 – Grai	
	nts. 2 (*). In the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	250,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	06/11/2013 - The interviews will take place 6 and 7 November 2013, in Room Perrier (Aula Perrier) of the Department of Earth,
	Environmental and Life Sciences (Dipartimento di Scienze della terra, dell'ambiente e della vita – DISTAV), Corso Europa 26 -
	16132 Genova
Exam syllabus	The interview will be on the activities carried out by the Candidate and on his/her capacity to use work tools and experimental
T. 4	methods relative to the research field of the project presented.
Further	Please note that the choice of the theme of the research project will not change the graduate student's legal status concerning the
information on how to present	object of the research activity that will be carried out during the doctoral course, according to the Teaching Body's indications. The information in the application and in its attached documents are what is meant by qualification/publications.
qualifications	The following documents must be attached to the application:
7	a) a curriculum vitae et studiorum (maximum 10 pages long);
	b) a research project relative to one or more of the themes of the doctoral course object of the application (maximum 10 pages
	long);
	c) a document containing the title of the degree dissertation and a brief description of it, as well as a list of the exam and marks
	(maximum 10 pages long);
	d) any other qualifications/publications relative to the research themes dealt with in the doctoral course (maximum 10 pages);
	e) at least one and no more than three reference letters. In addition to English and Italian stated in the general Notice of Public Exam, candidates may submit their applications and
	documentation in Spanish or French.
Research	The research themes of the syllabus are oriented at describing and interpreting endogenous and exogenous processes of the system
themes	Earth, integrating the vast spectrum of geosciences (disciplinary fields such as geology, geomorphology, mineralogy,
	crystallography, geochemistry, structural geology, petrology, mining geology, stratigraphy, paleontology, geophysics). The main
	objective of the syllabus is to create professional figures and young researchers capable 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 in detail in the following points:
	a) study and modelling of the chemical and tectonic evolution of the lithosphere in convergent and extensional environments;
	b) study of the processes responsible for the genesis and evolution of the relief forms of the land; c) finding and use of natural resources (water, energy producing, mineral and lithoid), and the management and enhancement of
	the relative residues;
	d) evaluation and mitigation of the geological and geoenvironmental risks deriving from catastrophic events both natural and
	man-made;
	e) defence planning of the territory and territorial planning;
	f) conservation of the natural-landscape, archaeological-monument heritage and the cultural heritage;
	g) determining and forecasting geomaterial behaviour (mineral and rocks) at various temperatures and pressures as a contribution
	to the solution of both scientific and application problems;
	h) interdisciplinary study of the interaction of mineral phases with the biosphere and the consequent releasing, transport and
Information	capturing processes of organic and inorganic chemical species (elements, complex, molecules) in the environment. Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	Prof Marco Firpo (DISTAV) Dipartimento di Scienze della Terra, dell'Ambiente e della Vita Università di Genova Corso Europa
	26 16132 Genova, Italy (<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.
Foreign	English
languages	
Further	Prof. Marco Firpo
information	Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV) Telephone: (+39) 010353 - 8272
	E-mail: firpo@dipteris.unige.it
	Cell. 3201812987
	Con. 3201012/01

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

Curriculum: ELECTRICALAL ENGINEERING (CODE 5181)

Coordinator: Massucco Stefano		
	farine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle	
telecomunicazio		
Places: 6 - Gran	,	
	available to persons with a foreign degree : 1 (without grant).	
	a the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	300,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS	
assessment		
procedure		
Further	1. The information in the application and in the curriculum vitae et studiorum	
information on	2. The reference letters (at least one and not more than three reference letters for the candidate signed by a university teacher or	
how to present	an expert in the field)	
qualifications	3. The research project	
	4. Other qualifications/publications	
	The latter information (points 3 and 4) must not be more than 10 pages. The research project will be on one of the themes in the	
	list of RESEARCH THEMES.,	
	Furthermore please note that: 5. Candidates can submit their applications and documentation either in Italian or English;	
	6. The dissertation title is required together with a brief description; a list of exams and the marks.	
Research	(A) Automation: industrial, of processes and transport. Models of producer plants. Management, monitoring and control of	
themes	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 buses. (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, power electronic	
	and communications systems. Models, simulations and measuring methods. Numeric current (electrical) models of lightning.	
	Electromagnetic models with full Maxwell approach. (E) Transport: Models for RAMS forecasting analysis. Electrified systems	
	for public transport. Electrical working for traction and for marine propulsion. (F) Environment: Numeric simulation and	
T	measuring and field reduction techniques. Optimized design of low emission devices. Systems with low environmental impact.	
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	
on references	public notice, to the Coordinator of the Doctoral Course at the following address:	
	Prof. Stefano Massucco University of Genova	
	DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture)	
	IEES - Intelligent Electric Energy Systems Laboratory	
	via all'Opera Pia, 11a – 16145 Genova, Italy	
	Email: stefano.massucco@unige.it	
	Emanuela De Pasquale	
	DITEN	
	emanuela.depasquale@unige.it	
E4l	The name, status and service place of the referees chosen by the candidates must be stated in their applications.	
Further	Prof. Stefano Massucco University of Genova	
information	DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture)	
	IEES - Intelligent Electric Energy Systems Laboratory	
	via all'Opera Pia, 11a, I-16145 - Genova, Italy	
	Email: stefano.massucco@unige.it	
	Tel: +39-010-353-2718; fax: +39-010-353-2700; mobile: +39-329-2106116	
	· · · · · · · · · · · · · · · · · · ·	
	Emanuela De Pasquale (DITEN) emanuela.depasquale@unige.it; tel: +39-010-35327005	
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Course in: SCIENCE AND TECHNOLOGY FOR ELECTRICAL ENGINEERING, MARINE ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: MARINE ENGINEERING (CODE 5182)

Coordinator: M	Tassucco Stefano
	Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle
telecomunicazio	
Places: 4 - Gran	,
	available to persons with a foreign degree : 1 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
	r Ministerial Decree 198/03 main field of research "Shipbuilding, aeronautics, helicopter engineering with a high foreign market
	city", the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	300,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	QUALIFICATIONS/PUBLICATIONS
procedure	
Further	The information in the application and in the curriculum vitae et studiorum
information on	2. The reference letters (at least one and not more than three reference letters for the candidate signed by a university teacher or
how to present	an expert in the field)
qualifications	3. The research project
7	4. Other qualifications/publications
	The latter information (points 3 and 4) must not be more than 10 pages. The research project will be on one of the themes in the
	list of RESEARCH THEMES.,
	Furthermore please note that:
	5. Candidates can submit their applications and documentation either in Italian or English;
	The dissertation title is required together with a brief description; a list of exams and the marks.
Research	Marine Architecture Sector:
themes	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; Dynamic positioning and station
	keeping. SPH methods for the simulation of non-stationary hydrodynamic fluxes with free surface. Study of cavitating
	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. Coupling of "meshless" methodologies and contour element methods for the analysis of strictly non linear dynamic
	phenomena in undulatory motion. Optimization of the ship's hydrodynamic performances. Control means of rolling motion; study
	of the hydrodynamic performances of innovative marine vehicles.
	Marine Constructions and Plants Sector:
	Study and design of offshore floating wind turbines. Fatigue of ship structures and components. Determination of the loads to be applied to a hull fem model. Study of marine structures in composite materials. Probabilistic methods for the marine
	constructions; Reliability of marine structures and risk analysis; Environmental impact of ships and boats. Ship vulnerability.
	Methods to optimize marine structures. Extension of the operative life of marine and off-shore structures. Design and construction
	methods to increase competitiveness in national shipbuilding. Condition monitoring of plants and management of marine
	maintenance; Simulation and optimization of marine propelling systems. Fluid-structure interaction: applications in marine
	engineering with possible reference to sailing systems; Activations for marine systems.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Dario Bruzzone University of Genova
	DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture)
	via all'Opera Pia, 11a - 16145 - Genova, Italy
	Email: <u>bruzzone@dinav.unige.it</u>
	Emanuela De Pasquale (DITEN) emanuela.depasquale@unige.it
-	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	Prof. Dario Bruzzone
information	University of Genova
	DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture)
	via all'Opera Pia, 11a -16145 - Genova, Italy
	Email: <u>bruzzone@dinav.unige.it</u> Tel: +39-010-353-2427; fax: +39-010-353-2700
	161: +37-010-333-2427; 18X: +39-010-333-2700
	Emanuela De Pasquale
	DITEN
	emanuela.depasquale@unige.it; tel: +39-010-35327005
	Charles and Photographic Charles and 107 010 00027000

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

Curriculum: COMPLEX SYSTEMS FOR MOBILITY (CODE 5183)

Coordinator: M	
	Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle
telecomunicazio	,
Places: 2 - Gran	
Places in excess	available to persons with a foreign degree: 1 (without grant).
	ed by the Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, nica e delle telecomunicazioni - DITEN)
Second	(only for graduate students who do not benefit from a grant)
instalment	300,00€
Comparative	QUALIFICATIONS/PUBLICATIONS
assessment	
procedure	
Further	1. The information in the application and in the curriculum vitae et studiorum
information on	2. The reference letters (at least one and not more than three reference letters for the candidate signed by a university teacher or
how to present	an expert in the field)
qualifications	3. The research project
	4. Other qualifications/publications The latter information (points 3 and 4) must not be more than 10 pages. The research project will be on one of the themes in the
	list of RESEARCH THEMES.,
	Furthermore please note that:
	5. Candidates can submit their applications and documentation either in Italian or English;
	The dissertation title is required together with a brief description; a list of exams and the marks.
Research	(A) Complex systems of electrical engineering and marine engineering: electrical networks, marine systems, automation plants.
themes	(B) Mobility of people and goods: planning features (for example relative to TPL local public transport, to city logistics, etc.),
	simulations, of "intelligent" transport systems (mobility information, AVM, communication V2V, V2I, etc.), of the evaluation of
	external costs of transport. (C) Maritime and marine transport systems: support systems for navigation safety and development of
	planning technologies and systems to support European policies of "Integrated Coastal Zone Management" and of "Maritime
	Spatial Planning". (D) Components and technological systems for transport means which allow the reduction of external costs of
	transport and the raising of safety levels: electric propulsion systems for electric and hybrid vehicles on wheels and on rail,
	management of energy fluxes of these vehicles, modelling for RAMS forecasting analysis, management and control systems of guided driving, electronic and electric working for traction. (E) Design and construction of models of complex systems:
	formulation/identification of mathematical models (starting from experimental data) and their analysis and numeric simulation.
	The models will mainly refer to the electrical and marine sector, but they may concern more general issues, the solutions of which
	concern applications for these sectors (for example, electrical activity of neuron networks or circuits).
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Riccardo Bozzo
	riccardo.bozzo@unige.it
	DITEN
	via all'Opera Pia 11a - 16145 Genova, Italy
	Emanuala Da Basayala
	Emanuela De Pasquale DITEN
	emanuela.depasquale@unige.it; tel: +39-010-35327005
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Further	Prof. Riccardo Bozzo
information	riccardo.bozzo@unige.it
	DITEN
	via all'Opera Pia 11a - 16145 Genova, Italy
	+39-010-3532725; fax: +39-010-3532700;
	329 2106107
	Emanuela De Pasquale
	DITEN
	emanuela.depasquale@unige.it; tel: +39-010-35327005

Course in: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATIONS ENGINEERING

Curriculum: INTERACTIVE COGNITIVE ENVIRONMENTS (CODE 5184)

Coordinator: M	archese Mario
	farine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle
telecomunicazio	
Places: 4 - Gran	,
	available to persons with a foreign degree : 1 (without grant).
	a the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	06/11/2013 - 9 a.m., at the Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN) Università di Genova, Via Opera Pia 11A - 16145 Genova
Exam syllabus	The interview aims at evaluating the candidates' knowledge in relation to the listed research themes, and their methodological capacity to deal with research issues. Furthermore the interview will be on the themes of the research project presented by the candidate.
	The interviews may also take place with computers via Skype video conference (for identity purposes). Requests must be sent by email to the Coordinator of the Doctoral Course, Prof. Mario Marchese, mario.marchese@unige.it , stating the Skype address.
Research	Assistive Technologies for Health and Autonomous Living, Network Embedded System, People Inspired Technologies.
themes	
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: mario.marchese@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. Mario Marchese
information	DITEN - Università di Genova
	Via Opera Pia 13
	16145, Genova, Italy Ph. +39-010-3536571 (office)
	Fil. +35-010-3330371 (office)
	Ufficio Didattica del Dipartimento DITEN (Didactic Office of the DITEN Department) Ufficio Didattica DITEN - Università di Genova Via Opera Pia 13 16145, Genova, Italy
1	uff_didattica@diten.unige.it

$\frac{Course \ in: \ SCIENCE \ AND \ TECHNOLOGY \ FOR \ ELECTRONIC \ AND \ TELECOMMUNICATIONS}{ENGINEERING}$

Curriculum: ELECTROMAGNETISM, ELECTRONICS, TELECOMMUNICATIONS (CODE 5185)

Coordinator: M	archese Mario
Department of N	Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle
telecomunicazio	
Places: 8 - Gran	rts: 4 (*).
Places in excess	available to persons with a foreign degree : 2 (without grant).
(*) 4 grants from	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	08/11/2013 - 9 a.m., at the Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di
	Ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN), Università di Genova, Via Opera Pia 11A - 16145 Genova
Exam syllabus	The interview aims at evaluating the candidates' knowledge in relation to the listed research themes, and their methodological
·	capacity to deal with research issues.
	Furthermore the interview will be on the themes of the research project presented by the candidate.
	The interviews may also take place with computers via Skype video conference (for identity purposes). Requests must be sent by
	email to the Coordinator of the Doctoral Course, Prof. Mario Marchese, mario.marchese@unige.it , stating the Skype address.
Research	Electronics, Telecommunications, Electromagnetism, Electrotechnics, Electrical and electronic measures.
themes	
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	mario.marchese@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. Mario Marchese
information	DITEN - Università di Genova
	Via Opera Pia 13
	16145, Genova, Italy
	Ph. +39-010-3536571 (office)
	Ufficio Didattica del Dipartimento DITEN (Didactic Office of the DITEN Department)
	Ufficio Didattica
	DITEN - Università di Genova
	Via Opera Pia 13
	16145, Genova, Italy
	uff_didattica@diten.unige.it

$\frac{Course \ in: \ SCIENCE \ AND \ TECHNOLOGY \ FOR \ ELECTRONIC \ AND \ TELECOMMUNICATIONS}{ENGINEERING}$

Curriculum: COMPUTATIONAL VISION, AUTOMATIC RECOGNITION AND LEARNING (CODE 5186)

Coordinator: M	archese Mario
	farine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria navale, elettrica, elettronica e delle
telecomunicazio	ni - DITEN)
Places: 10 - Gra	nts: 5 (*).
	available to persons with a foreign degree : 1 (without grant).
	led by the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia), the annual gross amount
	uding social security expenses to be paid by the recipient, is €16.500,00
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	04/11/2013 - 9 a.m., at the Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di
	Ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN), Università di Genova, Via Opera Pia 11A - 16145
	Genova
Exam syllabus	The interview aims at evaluating the candidates' knowledge in relation to the listed research themes, and their methodological
	capacity to deal with research issues.
	Furthermore the interview will be on the themes of the research project presented by the candidate.
	The interviews may also take place with computers via Skype video conference (for identity purposes). Requests must be sent by
D 1	email to the Coordinator of the Doctoral Course, Prof. Mario Marchese, <u>mario.marchese@unige.it</u> , stating the Skype address.
Research	Multimedia disciplines, in particular in the emerging field of Computer Vision, the recognition of patterns such as signals, images,
themes	numerical data and symbols in general - Pattern Recognition - and Machine Learning.
	The specific themes are available at the following address:
	https://pavisdata.iit.it/data/phd2013/ResearchThemes.pdf
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	mario.marchese@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. Mario Marchese
information	DITEN - Università di Genova
	Via Opera Pia 13
	16145, Genova, Italy
	Ph. +39-010-3536571 (office)
	Ufficio Didattica del Dipartimento DITEN (Didactic Office of the DITEN Department)
	Ufficio Didattica
	DITEN - Università di Genova
	Via Opera Pia 13
	16145, Genova, Italy
	uff_didattica@diten.unige.it

Curriculum: ENDOCRINOLOGY AND DIABETOLOGY (CODE 5187)

Coordinator: R	Coordinator: Ravazzolo Roberto	
	Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione oftalmologia, genetica e scienze materno-infantili - DINOGMI)	
Places: 2 - Gran	nts: 1 (*).	
(*) 1 grant from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47	
Second	(only for graduate students who do not benefit from a grant)	
instalment	200,00€	
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW	
assessment		
procedure		
Interview	08/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of	
	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,	
F 11.1	oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 – 16147 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; - ITC knowledge; - knowledge of English.	
Research	Study of new methods to diagnose and treat endocrine and metabolic pathologies in children and adolescents, with special	
themes	attention to diseases of the hypothalamus and hypophysis which concern the network of the complex 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 referees must be	
on references	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:	
	rravazzo@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. Roberto Ravazzolo	
information	Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)	
	Telephone: (+39) 010 5636 400, (+39) 010 5636 370	
	E-mail: <u>rravazzo@unige.it</u>	

Curriculum: GENETICS (CODE 5188)

Coordinator: R	avazzolo Roberto
	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,
0 . 0	netica e scienze materno-infantili - DINOGMI)
Places: 2 - Gran	
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	200,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
assessment	
procedure	
Interview	08/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of
	Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione,
E	oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 – 16147 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; - ITC knowledge; - knowledge of English.
Research	- new knowledge concerning the human genome, including investigations with new technologies;
themes	- identification of disease genes, of their mutations, of their consequences in the disease mechanism at a molecular and cellular
themes	level and correlations with the clinical phenotype;
	- singling out of specific aspects of the pathogenic mechanisms that can become the targets of therapeutic approaches;
	- gene structure and control of gene expression.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	rravazzo@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. Roberto Ravazzolo
information	Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)
	Telephone: (+39) 010 5636 400, (+39) 010 5636 370
	E-mail: <u>rravazzo@unige.it</u>

Curriculum: MUSCULAR, NEURODEGENERATIVE AND METABOLIC DISEASES IN CHILDREN AND ADOLESCENTS (CODE 5189)

Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazio oftalmologia, genetica e scienze materno-infantili - DINOGMI) Places: 2 - Grants: 1 (*). (*) I grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638, Second (only for graduate students who do not benefit from a grant) 200,00€ Comparative assessment procedure Interview O8/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazior oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 - 16147 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; - ITC knowledge; - knowledge of English. Research themes Study of new methodos to prevent, diagnose and treat neuropediatric pathologies in children and adolescents, with special atten the neuromuscular diseases, neurodegenerative, neuro-metabolic and in general gene-metabolic pathologies, to epilepsy of genorigin in childhood which may involve neurosurgery, to the defects of the neural tube and of cortical migration and neurofibromatosis. Molecular and environmental factors of the development of the nervous system are studied, as well as the etiological pathogenetic aspects of congenital hypotonia, primitive myopathies, spinal muscular atrophies, mitochondrial encephalopathieukoencephalopathies, epileptic encephalopathies and metabolic encephalopathies. Candidates must choose not less than one and not more than three referees to support their candidature. These referees mus university professors or experts in the subject and it will be	Coordinator: Ka	avazzolo Roberto
Places: 2 - 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 €13.638, Second (only for graduate students who do not benefit from a grant) instalment 200,00€ Comparative assessment procedure Interview 08/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazior oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 - 16147 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; - ITC knowledge; - knowledge of English. Research themes Study of new methods to prevent, diagnose and treat neuropediatric pathologies in children and adolescents, with special attent to neuromuscular diseases, neurodegenerative, neuro-metabolic and in general gene-metabolic pathologies, to epilepsy of gen origin in childhood which may involve neurosurgery, to the defects of the neural tube and of cortical migration and neurofibromatosis. Molecular and environmental factors of the development of the nervous system are studied, as well as the etiological pathogenetic aspects of congenital hypotonia, primitive myopathies, spinal muscular atrophies, mitochondrial encephalopath leukoencephalopathies, epileptic encephalopathies and metabolic encephalopathies. Candidates must choose not less than one and not more than three referees to support their candidature. These referees mus university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of public notice, to the Coordinator of the Doctoral Course at the following address: rawazzo@unige.it		
(*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638. Second instalment Comparative assessment procedure Interview O8/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazior oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 - 16147 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; - ITC knowledge; - knowledge of English. Study of new methods to prevent, diagnose and treat neuropediatric pathologies in children and adolescents, with special attent to neuromuscular diseases, neurodegenerative, neuro-metabolic and in general gene-metabolic pathologies, to epilepsy of gen origin in childhood which may involve neurosurgery, to the defects of the neural tube and of cortical migration and neurofibromatosis. Molecular and environmental factors of the development of the nervous system are studied, as well as the etiological pathogenetic aspects of congenital hypotonia, primitive myopathies, spinal muscular atrophies, mitochondrial encephalopath leukoencephalopathies, epileptic encephalopathies and metabolic encephalopathies. Candidates must choose not less than one and not more than three referees to support their candidature. These referees mus university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of public notice, to the Coordinator of the Doctoral Course at the following address: ravazzo@unige.it	0 . 0	,
Second (only for graduate students who do not benefit from a grant) 200,00€		
Comparative assessment Drocedure	· / U	
Comparative assessment procedure Interview O8/11/2013 - 2 p.m., Wing 16 (Padiglione 16), G. Gaslini Institute (Istituto G. Gaslini), Secretarial Office of the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazion oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 - 16147 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; - ITC knowledge; - knowledge of English. Study of new methods to prevent, diagnose and treat neuropediatric pathologies in children and adolescents, with special attent to neuromuscular diseases, neurodegenerative, neuro-metabolic and in general gene-metabolic pathologies, to epilepsy of gen origin in childhood which may involve neurosurgery, to the defects of the neural tube and of cortical migration and neurofibromatosis. Molecular and environmental factors of the development of the nervous system are studied, as well as the etiological pathogenetic aspects of congenital hypotonia, primitive myopathies, spinal muscular atrophies, mitochondrial encephalopath leukoencephalopathies, epileptic encephalopathies and metabolic encephalopathies. Candidates must choose not less than one and not more than three referees to support their candidature. These referees mus university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of public notice, to the Coordinator of the Doctoral Course at the following address: "Travazzo@unige.it"		
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Telephone: (+39) 010 5636 400, (+39) 010 5636 370		
E-mail: rravazzo@unige.it		E-mail: rravazzo@unige.it

Curriculum: FETAL-PERINATAL AND PAEDIATRIC PATHOLOGY (CODE 5190)

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oftalmologia, genetica e scienze materno-infantili - DINOGMI), Largo G. Gaslini 5 – 16147 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; - ITC knowledge; - knowledge of English. Research Isolated malformation pathology or inserted in syndrome tables; pathology of foetal development and maturation of the foetus an of the consequent adaptive capacities at the moment of birth; placental pathology linked to preterm deliveries and to seriou premature births; foetal, neonatal and paediatric cardiovascular pathology; neonatal neurological damage; dysplastic anteratomatous pathology; neoplastic pathology. 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: Tavazzo@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications. English Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370	Interview	
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premature births; foetal, neonatal and paediatric cardiovascular pathology; neonatal neurological damage; dysplastic anteratomatous pathology; neoplastic pathology. 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: Travazzo@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications. English Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370	Research	Isolated malformation pathology or inserted in syndrome tables; pathology of foetal development and maturation of the foetus and
teratomatous pathology; neoplastic pathology. Information on references Note: The public notice, to the Coordinator of the Doctoral Course at the following address: The name, status and service place of the referees chosen by the candidates must be stated in their applications. Foreign languages Further information Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370	themes	
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on references 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: rravazzo@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications. Foreign languages Further information Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370		
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Foreign languages Further information Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370		
Ianguages Prof. Roberto Ravazzolo Further information Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370	Fancian	
Further information Prof. Roberto Ravazzolo Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI) Telephone: (+39) 010 5636 400, (+39) 010 5636 370	U	Eligiisii
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Telephone: (+39) 010 5636 400, (+39) 010 5636 370		
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Course in: SOCIAL SCIENCES

Curriculum: PSYCHOLOGY, ANTHROPOLOGY AND COGNITIVE SCIENCES (CODE 5191)

Coordinator: Pa	lumbo Mauro
	ducation Sciences (Dipartimento di Scienze della Formazione - DISFOR)
Places: 4 - Gran	
(*) 2 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	250,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	07/11/2013 - 9 a.m., at the Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR), Corso A. Podestà, 2 - 16128 Genova
Interview	08/11/2013 - 2 p.m., at the Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR), Corso A. Podestà, 2 - 16128 Genova
Exam syllabus	The written test will be a paper on the theoretical, epistemological and methodological aspects of the relevant subject areas
	(psychology, anthropology, cognitive sciences).
	The interview will be a discussion of the candidate's research project and of the qualifications/publications presented, as well as of the written test, with reference also general methodological aspects of research and data analysis techniques in the subject fields referred to. During the interview the candidate's knowledge of English will also be tested.
Further	The following will be evaluated:
information on	1. Quality of the research project presented
how to present	2. Research experience and scientific publications
qualifications	3. Specialist/II level degree or four-year degree dissertation, which may be attached in pdf format
	4. Academic curriculum and degree mark
	Foreign candidates must clearly state the number of years which correspond to each study cycle carried out and attach the
D	syllabuses of the courses they attended which are relevant to the doctoral course.
Research themes	 Attention models. Executive control processes in adults and in typical and atypical development. Attention deficits. Memory work models. Capacity, processing, strategy limitations.
themes	2. Memory work models. Capacity, processing, strategy minitations. 3. Neo-Piagetian models of cognitive development.
	4. Normal and abnormal development of language.
	5. Learning to read and write. Mathematical and scientific education. Predictors of learning disabilities.
	6. Simulation models of psychic processes.
	7. Development and validation of psychological tests for the evaluation of personalities and individual differences.
	8. Mentalization: typical and atypical development, transgenerational transmission, psychopathology and treatment.
	9. Psychodynamic models of clinical psychological assessment. The process and outcomes of psychotherapies. Emotional
	regulation and dysregulation during childhood/adolescence and adulthood.
	10. Families and disabilities.
	11. Eating behaviour.
	12. Basic research in anthropology (biologic anthropology, ageing). Human evolution (phylogenesis of language).
	13. Health Anthropology (medical anthropology, ethnomedicine, pleasure/pain). Anthropopoiesis (humanization devices,
	nature/culture bond).
	14. Cognitive ergonomics, human factors.
	15. Ageing, measurement of cognitive functions and rehabilitation. Development of cognitive systems to support the elderly and
	disabled people. 16. Cognitive analysis of the business culture, distance learning, transfer of knowledge, task analysis of work activities.
	Organizational safety and wellbeing.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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:
	presso la Segreteria Amministrativa del DISFOR, Sig.ra Maria Luisa Cesarano, e-mail: cesarano@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	Mrs Maria Luisa Cesarano, DISFOR, tel. 010. 209 53609
information	e-mail: cesarano@unige.it
	Prof. Alberto Greco, DISFOR, via Balbi 4, tel. 010 209 9852
	e-mail: greco@unige.it

Course in: SOCIAL SCIENCES

Curriculum: SOCIAL, POLITICAL AND INTERCULTURAL SCIENCES (CODE 5192)

Coordinator: Pa	alumbo Mauro
Department of E	ducation Sciences (Dipartimento di Scienze della Formazione - DISFOR)
Places: 14 - Gra	nts: 7 (*).
(*) 7 grants from	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	250,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	06/11/2013 - 9.30 a.m., at the Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR)Corso A.
	Podestà, 2 - 16128 Genova
Interview	07/11/2013 - 2 p.m., at the Department of Education Sciences (Dipartimento di Scienze della Formazione - DISFOR), Corso A.
	Podestà, 2 - 16128 Genova
Exam syllabus	A paper on one of the indicated research themes.
	Interview on the curriculum and on the written test
Further	The contents of the written test cannot coincide with those of the research project presented in the qualifications.
information on	Qualifications/publications may be submitted either in Italian or English.
how to present	
qualifications Research	The second and a second of such a fellowing account the second
themes	Two grants are reserved for the following research themes: Evaluation of educational processes and systems.
unemes	Evaluation of educational processes and systems. Evaluation of education and training. Evaluation of training and educational facilities, including high-level academic training, of
	learning and of policies concerning education and training.
	In order to carry out the doctoral course on these themes a suitable knowledge of statistics and English is necessary.
	Two grants are reserved for the following research themes:
	• reference models of migration theories, acculturation processes and individual and family identity construction in the various
	stages of the life cycle with special attention to inter-ethnic families, also from a gender point of view.
	• Ingroup-outgroup relationships: acculturation processes, integration, learning, ways of identity and social acquisition in various
	educational, training and working contexts.
	 Movements of populations with investigations on internal migrations as well as towards Europe. Study of the intercultural
	processes that developed following in and out movements. Analysis of the changes that came about in the countries of origin after
	great migration movements.
	Three grants are reserved for the following research themes:
	- Political ideas, ideologies, political phenomena from a historical and critical perspective
	 Promotion and safeguarding of human rights locally, nationally and internationally. Socio-political dynamics and relations among different cultures in territories of the European Union, the Middle East, Latin
	America and Sub-Saharan Africa.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	Prof. Mauro Palumbo, DISFOR, Corso Podestà, 2, 16128 Genova oppure via mail a palumbo@unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English or French or Spanish
languages	
Further	Mrs Maria Luisa Cesarano, DISFOR, tel. 010. 209 53609
information	e-mail: cesarano@unige.it
	For the first research theme: Prof. Mauro Palumbo, DISFOR, tel 010/20953748, e-mail palumbo@unige.it;
	For the second research theme: Prof. Raul Crisafio, DISFOR, e-mail raul.crisafio@unige.it;
	For the third research theme: Prof. Maria Antonietta Falchi, DISPO, tel. 010/2099065, e-mail Maria Antonietta. Falchi@unige.it

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

Curriculum: HISTORICAL GEOGRAPHY FOR THE ENHANCEMENT OF THE HISTORICAL AND ENVIRONMENTAL HERITAGE (CODE 5193)

Coordinator: A	ssereto Giovanni
	Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia - DAFIST)
Places: 3 - Gran	
	n the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	QCI ELITOTIO, I OBBIETTIO, II TELEVISIONI
procedure	
Written test	07/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova
Interview	08/11/2013 - 11 a.m., at the Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e
Inter view	Storia - DAFIST) – Modern and Contemporary History Section, via Balbi 6, 3 rd floor, 16126 Genova
Exam syllabus	The written test will consist in a paper to be done within four hours. The essay title (which will be drawn just before the exam),
2	will deal with general thematics aimed at highlighting the candidate's knowledge, analytical skills and methodological tools.
	The interview will be a discussion of:
	1) the written test;
	2) the candidate's research project;
	3) the capacity to understand an English passage taken from a history or historical geography text, chosen by the Commission.
Further	Besides the qualifications/publications requested in the public notice exam, candidates are requested to submit by means of the
information on	online procedure together with their applications:
how to present	a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format);
qualifications	b) any publications (in pdf format)
	c) a brief description of the research project proposed by the candidate (maximum 8000 characters plus the bibliography).
Research	The Historical Geographic specialization for the enhancement of the historical and environmental heritage of the doctoral course
themes	in History intends to develop methodologies and analytical skills aimed at investigating areas and sites of historical and
	environmental interest, that is topographically defined spaces where it is still possible to document cultural landscapes of the past
	and activation practices of resources or where these practices can be reconstructed through the material traces on the land and by
	means of other historical sources. The competences deal with both on the field work and the deciphering of textual sources (from
	archives, literary and iconographic). All these research techniques are aimed at the identification of cultural landscapes and the
	enhancement of the rural and historical-environmental heritage, with special attention to the European reference framework. Therefore the research themes will have to be coherent with this approach. The research activities, multidisciplinary in character,
	are carried out in the Laboratory of Archaeology and Environmental History (L.A.S.A.) and in the Permanent Seminary of Local
	History (SEMPER). The L.A.S.A. is divided into two divisions: the geographic and historical division at the Department of
	Classical Studies, Philosophy and History (DAFIST); the botanical division, at the Department of Earth, Environmental and Life
	Sciences (DISTAV). The laboratory has been functioning since the academic year 1995-1996, with didactic and research
	functions, which develop thanks to the organization of international seminars and yearly field campaigns besides the normal
	activities of an archeo-botanical laboratory. The field activities are carried out above all in the rural areas of North-Western Italy,
	with the collaboration of Italian and European research centres, interested in the themes of environmental and rural archeology,
	historical ecology and rural heritage.
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	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. Giovanni ASSERETO - DAFIST - via Balbi, 6 - 16126 GENOVA
	e-mail: gioasser@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	Osvaldo Raggio:
information	osvaldo.raggio@lettere.unige.it

$\frac{\text{Course in: STUDY AND ENHANCEMENT OF THE HISTORICAL, ARTISTIC-ARCHITECTURAL AND}{\text{ENVIRONMENTAL HERITAGE}}$

Curriculum: HISTORY (CODE 5194)

Coordinator: A	ssereto Giovanni
	lassical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia -DAFIST)
Places: 3 - Gran	
	available to persons with a foreign degree : 1 (without grant).
	the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638,47
Second	(only for graduate students who do not benefit from a grant)
instalment	500,00€
Comparative	QUALIFICATIONS/PUBLICATIONS AND EXAM
assessment	
procedure	
Written test	07/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova
Interview	08/11/2013 - 11 a.m., at the Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e
	Storia - DAFIST) – Modern and Contemporary History Section, via Balbi 6, 3 rd floor,16126 Genova
Exam syllabus	The written test will consist in a paper to be done within four hours. The essay title (which will be drawn there and then, one for
	candidates doing Modern History, one for candidates doing Contemporary History) will deal with general thematics aimed at
	highlighting the candidate's knowledge, analytical skills and methodological tools.
	The interview will be a discussion of:
	1) the written test;
	2) the candidate's research project;
	3) the capacity to understand a passage from a history text, chosen by the commission, in the foreign language chosen by the
	candidate.
Further	Besides the qualifications/publications requested in the public notice exam, candidates are requested to submit by means of the
information on	online procedure together with their applications:
how to present	a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format);
qualifications	b) any publications (in pdf format)
D 1	c) a brief description of the research project proposed by the candidate (maximum 8000 characters plus the bibliography).
Research	The History specialization includes: a) a contemporary line of research, with special attention to aspects of social history linked to the advent of mass society, to the phenomena of mobility and transnationality (migrations, especially to the North and South
themes	America), to Euro-Atlantic relations, to gender history, to ethno history; b) a modern line of research which concerns the history
	of Modern Europe in its different parts (political-institutional history, the history of territory, maritime history, military, cultural
	and religious history, with special attention to Italy and to the documentation heritage they refer to).
Information	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be
on references	university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the
on references	public notice, to the Coordinator of the Doctoral Course at the following address:
	prof. Giovanni ASSERETO - DAFIST - via Balbi, 6 - 16126 GENOVA
	e-mail: gioasser@unige.it
	The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign	English, French, Spanish.
languages	
Further	Prof. Giovanni Assereto, tel. 0102099829, gioasser@unige.it
information	

Curriculum: HISTORY AND PRESERVATION OF THE ARTISTIC AND ARCHITECTURAL HERITAGE (CODE 5195)

Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia -DAFIST)	Coordinator: As	ssereta Giovanni
Places: 3 - Grants: 2 (*). Places in excess available to persons with a foreign degree : 1 (without grant). (*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638. Second instalment to (n) for graduate students who do not benefit from a grant) 500.00€ Comparative assessment procedure Written test 07/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova 11 a.m., at the Department of Classical Studies, Philosophy and History (Dipartmento di Antichità, Filosofia e Storia - DAFIST) - Modern and Contemporary History Section, via Balbi 6, 3* floor,16126 Genova 12 merity of three proposals prepared by the Examining Commission on general issues, relevant to the study and analysis of artistic and architectural heritage and its preservation, aimed at highlighting the candidate's knowledge, analytical skills a methodological tools. The interview will be a discussion of: 1) the written test: 2) the candidate's research project; 3) the capacity to understand a passage from a text on historical and artistic themes or relevant to the cultural heritage, chosen by the candidate. Further information on how to present a substantial facts both the historical-territorial relations on the desire desired the study of the artistic and historical heritage and to the analysis of an interview will be a discussion of: 1) the capacity to understand a passage from a text on historical and artistic themes or relevant to the cultural heritage, chosen by the candidate. Besides the qualifications requested in the public notice exam, candidates are requested to submit by means of online procedure together with their applications: 2 a brief description of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research proje		
Places in excess available to persons with a foreign degree: 1 (without grant). (*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638, Second (only for graduate students who do not benefit from a grant) 500.00€ Comparative assessment procedure Written test 07/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova Interview 08/11/2013 - 11 a.m., at the Department of Classical Studies, Philosophy and History (Dipartmento di Antichità, Filosofia e Storia - DAFIST) - Modern and Contemporary History Section, via Balbi 6, 3 rd floor,16126 Genova Exam syllabus Fam written test will consist in a paper to be done within four hours, on the basis of an outline drawn by the candidates from group of three proposals prepared by the Examining Commission on general issues, relevant to the study and analysis of artistic and architectural heritage and its preservation, aimed at highlighting the candidate's knowledge, analytical skills in methodological tools. The interview will be a discussion of: 1) the written test; 2) the candidate's research project; 3) the capacity to understand a passage from a text on historical and artistic themes or relevant to the cultural heritage, chosen by the candidate. Further information on how to present qualifications; publications requested in the public notice exam, candidates are requested to submit by means of online procedure together with their applications: b) any publications (not present as substantial facts both the historical-territorial relations of the phenomena and their structural specific In this concerning its preservation, besides the knowledge of the cultural and technical processes that characterise it, being aw of the need to present as substantial facts both the historical-territorial relations of the phenomena and their structural specific In this concerning its preservation, besides the knowledge of the cultural and tern	_	
(en) grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €13.638. Second (only for graduate students who do not benefit from a grant) (source of the paid of the paid of the grant) (source of the grant) (s		
Comparative assessment		
Comparative assessment procedure		
Comparative assessment procedure Written test O7/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova O8/11/2013 - 11 a.m., at the Department of Classical Studies, Philosophy and History (Dipartiment of Antichità, Filosofia e Storia - DAFIST) - Modern and Contemporary History Section, via Balbi 6, 3 rd floor,16126 Genova Exam syllabus The written test will consist in a paper to be done within four hours, on the basis of an outline drawn by the candidates from group of three proposals prepared by the Examining Commission on general issues, relevant to the study and analysis of artistic and architectural heritage and its preservation, aimed at highlighting the candidate's knowledge, analytical skills in methodological tools. The interview will be a discussion of: 1) the written test; 2) the candidate's research project; 3) the capacity to understand a passage from a text on historical and artistic themes or relevant to the cultural heritage, chosen by the candidate. Further information on how to present qualifications/publications requested in the public notice exam, candidates are requested to submit by means of online procedure together with their applications: a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format); b) any publications (in pdf format); c) a brief description of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). Research themes The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate		
### Author		
Procedure Written test Ox/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova		QO. D.L. TOTALO, I. O. D. D. L.
Interview O7/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova		
Netroties		07/11/2013 - 9 a.m., in the Aula (Room) Magna of the Polo didattico - via delle Fontane, 16124 Genova
Exam syllabus The written test will consist in a paper to be done within four hours, on the basis of an outline drawn by the candidates from group of three proposals prepared by the Examining Commission on general issues, relevant to the study and analysis of artistic and architectural heritage and its preservation, aimed at highlighting the candidate's knowledge, analytical skills a methodological tools. The interview will be a discussion of: 1) the written test; 2) the candidate's research project; 3) the capacity to understand a passage from a text on historical and artistic themes or relevant to the cultural heritage, chosen to the commission, in the foreign language chosen by the candidate. Further information on how to present a qualifications/publications requested in the public notice exam, candidates are requested to submit by means of online procedure together with their applications: a) a brief description of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candidate (maximum 8000 characters plus the bibliography). The overall scope of the research project proposed by the candid		
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	on references	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:		public notice, to the Coordinator of the Doctoral Course at the following address:
prof. Giovanni ASSERETO - DAFIST - via Balbi, 6 - 16126 GENOVA		prof. Giovanni ASSERETO - DAFIST - via Balbi, 6 - 16126 GENOVA
e-mail: gioasser@unige.it		
The name, status and service place of the referees chosen by the candidates must be stated in their applications.		
Foreign English or French	0	English or French
languages	0 0	
Further Lauro Magnani, magnani@unige.it		
information Laura Stagno, laura.stagno@unige.it	information	Laura Stagno, <u>laura.stagno@unige.it</u>