XXXIV PhD Cycle: cross- cutting learning activities at the UNIVERSITY OF PISA

Academic year 2018/19

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A SPECIFIC EDUCATIONAL OFFER FOR PHD STUDENTS TRAINING

During the three years of training, and specifically in the first two years, the Ph students are expected to attend specific educational and training activities. Some of them will be organised within the single PhD Programme in order to learn the topics and methods relating to the specific research area of interest through seminars, workshops and labs.

Some other activities, instead, will be cross-cutting and inter-disciplinary, in common with other PhD Programmes, throughout all the scientific areas The University of Pisa has planned a very structured offer for the academic year 2018/2019: It envisages either single modules and a series of classes that will offer the PhD students the opportunity to acquire more detailed skills in foreign languages, statistics and informatics. They could also aim at fostering the knowledge in the research results promotion, in intellectual property protection, communication and academic teaching practices. Other courses will concern technological transfer and other innovative and strategic topics also useful for applying to Eu funding programmes such as: open science, digital literacy, ethics in research and gender issues.

Each PhD student is allowed to attend all the cutting-cross activities of interest, being still recommended the supervisor's advise To take, part, it shall be required to reply to the registration form forwarded at your individual e-mail address. At the end of the courses, no final exams are required; it will only be necessary a registration in the student's transcript of the activities attendance and the eventual language certificate.

Scheduled classes' dates and times could exceptionally be subject to possible changes; when a class doesn't reach the required minimum number of students, it could be cancelled.

As indicated in the each schedule, the majority of courses could be held either in Italian or English language, according to the students'requests.

Enjoy your PhD experience!

Delegate for the PhD Programmes of the University of Pisa
Prof.ssa Marcella Aglietti

COURSES "DIGITAL LITERACY LAB" (COD. LABCD..)-

Laboratorio di Cultura Digitale

Course 1 (code LABCD1) - the Digital Humanities: methodological and practical aspects

Target: PhD students in Legal, Economic and Socio-political sciences; Humanities; Informatics
Academics: Enrica Salvatori, Vittore Casarosa
Description: this module proposes an overview on the main IT tools and methods for application on Humanities and Social Sciences.
Dates: 28 March 2019,schedule: 10-12, 14-16
Language: IT/ENG

Course 2 (code LABCD2) - Web promotion of your research

Academics: Chiara Mannari e Chiara Privitera
Description:
*Part 1 Chiara Mannari – How to develop and manage your own website/blog with Wordpress.
*Part 2 Chiara Privitera – how to complement your strategies of Personal Branding on social networks, monitor online   the Brand Reputation and create Social Content marketing
Dates: 20 e 21 February 2019, schedule: 9,30-12,30
Language: IT/ENG

Course 3 (code LABCD3) - Open science and altmetrics

Target: all PhD students
Academics: Maria Chiara Pievatolo
Duration: 3 modules of 2 hours each
*Part 1. Introduction. Knowledge and its media. What is the meaning of "publish"?
Dates: 8 April 2019, hours: 10,30-12,30
*Part 2. Open Archives instruments, overlay journals, altmetrics and other experiments
Dates: 10 April 2019, schedule : 10,30-12,30
*Part 3. Copyright use for defence
Dates: 12 April 2019, schedule : 10,30-12,30
Language: IT/ENG

Course 4 (code LABCD4) - GIS as an instrument for research and communication

Target: all PhD students for modules 1 and 2. PhD students in Archeology and History for module 3
Academics: Giancarlo Macchi - Massimiliano Grava – Francesca Lemmi
Duration: 3 modules of 2 hours each.
Description
*Part 1 GIS, digital mapping and projection systems (Giancarlo Macchi)
The aim of the course is to introduce to participants the fundamentals of Geographic Information Systems. During these introduction classes, the characteristics of GIS raster and vector models, digital mapping formats will be presented and the overlay topologic principles and their integra-

tion through geographic projection systems will be explained. In particular, geographic projection systems will be processed.
Dates: 14 January 2019, schedule : 10,30-12,30 and 14,30-16,30
Language: IT/ENG
* Part 2 Inputs for GIS application systems use in research (Massimiliano Grava)
The aim is to inform about the state of the art on GIS use in research, focusing on the use of qualitative and quantitative sources and also on those traps based on the dominant use of software against the content of surveys.
Dates: 16 January 2019, schedule: 10,30-12,30 - 14,30-16,30
Language: IT/ENG
* Part 3 GIS and GPS Mapping for the region study: study cases and potentialities in historical and archeological context (Francesca Lemmi)
In this part some study cases will be illustrated to demonstrate the potentialities of GIS and GPS use for the research in the archeological context, from survey to data collection and building. After mentioning about GPS use, an example of operative pipeline will be shown for managing spatial data, from land survey to post processing and web publishing.
Dates: 21 January 2019, schedule: 10,30-12,30 - 14,30-16,30
Language: IT/ENG

Course 5 (code LABCD5) - Research data treatment and retain
Target: all PhD students
Academics: Roberto Trasarti, Paolo Manghi, Anna Monreale
Duration: 6 hours
Description
* Part 1 (3 hours): Data collection, Data Integration, Data Understanding and Data Cleaning & Preparation (R. Trasarti)
* Part 2 (1 ora): Data & research infrastructure & Open Science (P. Manghi)
* Part 3 (2 ore): Privacy Protection & Data (A. Monreale)
Dates: 17 - 18 December 2018, schedule: 9-12
Language: IT/ENG

Course 6 (code LABCD6) - Writing for communication
Target: all PhD students
Academics: Mirko Tavosanis
Duration: 2 hours
Description: An Introduction to different writing styles for researchers: mail, blog, essay, abstract, etc.
Dates: 18 March 2019, schedule: 16-17,30
Language: IT

Course 7 (code LABCD7) - Digital Public History and Third Mission
Target: PhD students in Legal, Economic and Socio-political sciences; Humanities;
Academics: Enrica Salvatori
Duration: 1 module of 4 hours
Description: nowadays the researcher is required to study the fallout of his/her research on the public and commit to keep the relation with users always efficient and productive. The Digital Public History opens to several modalities to make the research on humanities reachable for different kinds of users.
Dates: 13 February 2019, schedule: 10-12 - 14-16
Language: IT/ENG

Corso 8 (code LABCD8) - Research methodology
Target: PhD students in Legal, Economic and Socio-political sciences; Humanities;
Academics: Simona Turbanti – Enrica Salvatori
Duration: 1 module of 4 hours
Description: Principles of research methodology on primary and secondary sources in Humanities.
Dates: 17 January 2019, schedules: 10-12 - 14-16
Language: IT/ENG

COURSE "GENDER ISSUES" (CODE CUG1)

Gender perspectives: professional skills development, research approach to gender and its role in EU funding programmes..
Academics: Elettra Stradella, Silvia Cervia, Lucia Pallottino, Nadia Pisanti
Topics: the course aims at approaching PhD students to gender perspectives from three different points of view: 1. a reflection on gender and career, in the s.c. STEM but not uniquely, with an analysis of current monitoring and planning resources at University level (e.g. gender budgeting); 2. Gender studies, with a cross-cutting and interdisciplinary perspective, to be shown through a brief and introductive process on the origins; the purposes and the application of gender studies; 3. The EU projects planning, showing how relevant gender issues are in this activity and considering the recent evolutions leading towards the next Horizon Europe.
Target: 1st and 2nd year PhD students
Duration: 8 hours
Dates: 31 May 2019, schedule: 8,45-12 - 14-17,15
Language: IT

COURSE "RESPONSIBLE RESEARCH ISSUES" (CODE RRI1)

This educational day aims at informing/making aware the participants in relation to RRI with its principles and topics. The idea is to promote a moment of reflection and self-reflection on the activities, methods and subjects of the research by the PhD students according to RRI and with the perspectives and the motivations of some great experts. The intention is also to inform the participants of the importance of this perspective in the EU context and the role the University of Pisa intends to have. A possible interest to continue this reflection in the future could be verified through other initiatives.
Academics: Centro Interdisciplinare Ricerche per la Pace – Università di Pisa

Dates: 10 May 2019, schedule: 9,30-13 - 14-17
Language: IT/ENG

10 MAY 2019 - SCHEDULE: 9.30 – 13.00			
WHAT	**WHO**	**HOW**	**SCHEDULED TIMES**
Introduction	Gianluca Brunori *Università di Pisa Gruppo CISP-RRI*	Plenary	15'
Four talks: 1. What is RRI: principles, dimensions, added value 2. RRI and Data Science 3. RRI and scientific research: sustainable development as a paradigm and a practice 4. How the RRI debrief us on Science and Ethics	1. Luigi Pellizzoni 2. Dino Pedreschi 3. Eleonora Sirsi 4. Pierluigi Barrotta	Plenary Moderator Matteo Villa *Università di Pisa CISP-RRI Group*	1h 30'
Break			15'
Participants Questions and Interventions. Panel.	Participants	The moderator leads the panel	1h
Conclusions and presentation of the afternoon work: "Can we carry out research in RRI perspective? What does that mean for us?" Starting from the reference to the Sustainable Development Goals	Plenary	CISP_RRI Group	*15'*
SCHEDULE 14.00 – 17.00			
WHAT	**WHO**	**HOW**	**SCHEDULED TIME**
Panel based on individual experiences and morning work suggestions, with facilitators questions. Possible questions: • How the contents of RRI interrogate / concern my research work (objects, methods, relationships with companies, institutions and stakeholders, etc.) •Do we already practice or try to practice RRI? Which conditions / obstacles / opportunities to increase RRI. Summary and identification of possible common points / differences in the groups	Participants splitted in groups (8-10 participant per group)	Group work with a facilitator	1,5 h
Break			15'
Plenary feedback of groups work	Facilitators and 1 participant per group	Plenary feedback of main subjects	30'
Panel with the speakers on the suggestions emerged from the group work.	Moderator and speaker	Plenary	30'
Day work conclusions and future perspectives	Group CISP-RRI	Plenary	15'

COURSE "HOW TO PROMOTE THE RESEARCH OUTPUTS" (CODE RIC1)

Academics : Ufficio ricerca e Sistema Bibliotecario dell'Università di Pisa, Gabriella Benedetti, Chiara Letta, Raffaella Sprugnoli, Simona Turbanti
Duration: 2 modules of 3 hours each
Description: The Workshop foresees two parts and will analyse the main research outputs, the types and purposes of each output. The definitions of the main bibliometric indicators, the bibliographic citations and the main citational databases will also be addressed.
Dates 8 and 15 May, schedule: 10-13;
8 May 2019
Module 1) The Role of the institutional Archives in the dissemination of scientific research
15 May 2019
Module 2) The research evaluation and the available tools available at the University of Pisa
 Language: IT

COURSE "PERSONAL BRANDING" (COD. CAREER1)

Academics: Career Service Università di Pisa
Target: all PHD students
Duration: 1 module of 3 hours
Description: Self promotion is anything but simple. We often think that the creation of a profile on social media is enough to communicate our own value: that's the risk given by the wide approachability of the new technologies allowing a higher media exposure. In order to be truly effective, it is necessary to think strategically. During this interactive workshop, we will use a specific methodology that will help us identifying our strengths and weaknesses, discovering our uniqueness compared to others and enhancing the best of our Knowledge.
Date: 9 April
Language: IT/ENG

COURSE "IT TOOLS FOR DOCTORAL RESEARCH" (CODE. INF1)

Academics: Antonio Cisternino
Target: All PhD students
Date: 30 January 2019, schedule 9-12,30
Language: IT/ENG

COURSE "THE ROLE OF STATICS IN THE RESEARC ACTIVITY" (CODE STAT1)

Academics : Barbara Pacini
Target: 1 and 2 year PhD students – a previous knowledge of statistics methods is not required.
Duration: 1 module of 4 hours
Description: This module introduces to statistical reasoning, to statistical terms used in research studies (sample size, error margin, correlation and causation), to problems connected to the statistics misuse.
Date: 28 May 2019, schedule 10,30-12 and e 14-15,30
Language: IT

COURSE "STATISTICS AND CAUSALITY" (CODE STAT2)

Academics: Barbara Pacini
Target: 1 and 2 year PhD students – Confidence with traditional statistics methods and probability concept is required.
Description: the evaluation of random reports is required in many disciplinary fields. This module introduces the theoretical and applicative aspects of causal inference as well as the analysis of experimental and observational data.
Duration: 1 module of 4 hours
Date: 4 June 2019, schedule 10,30-12 e 14-15,30
Language: IT

COURSE "THIRD MISSION AND PHD PROGRAMME: THE PHDS' IMPACT ON SOCIETY AND LABOUR MARKET" (CODE STAT2)

Academics: Marco Raugi
Target: All PHD students
Description: Knowing and enhancing the impact of PhDs on society, both on personal (occupational) and social level (public-engagement: educational, cultural and outgrowth value of communication).
Duration: 1 module of 3 hours
Date: 26 February 2019, schedule 14,30-17,30
Language: IT

COURSE "ACADEMIC ENGLISH"

Academics: Joanne Spataro and her staff
Duration : 10 modules of 3 hours from January to March 2019
Description : **The course ACADEMIC ENGLISH is proposed by the University of Pisa Language Centre and it is compulsory for the first year PhD students (a.y.2018-19)**. It aims at making aware of the basic linguistic structures for writing and publishing scientific articles in English, as well as for developing the necessary linguistic skills to take active part in international academic contexts (such as conferences, seminars, etc.). This course aims also at providing the knowledge of some "soft skills" such as team working, developing critical thinking, social skills, creativity, interpersonal communication, adaptability and flexibility. All these soft skills are required to PhD students by the complex organizational contexts characterizing the academic community as much as the labour world. **An admission test is required at the beginning of December to access to the course and to assess the level of class: Academic English (B2); Academic English (Writing and Presentation Skills C1).**

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COURSE "TEACHING HOW TO TEACH" (CODE INSEGN..)

This educational proposal finds full reference in the most accredited international literature and makes particular use of the research and training activity carried out at national level, starting from the PRODID project, Preparation for Teaching Professions and Educational Innovation (Felisatti & Serbati, 2014, 2017; Felisatti, 2016). The project was experimentally developed by the University of Padua in 2014-2016 by Professor Ettore Felisatti, who collaborates personally also in the outgrowth of the project in Pisa. It recovers and reinforces the training model of staff development, conducted both at the Politecnico di Torino since 2016 (Felisatti et al., 2017), and the University of Catania from 2017-2018. The educational process foresees the promotion of systemic logics with the aim of creating effective changes in the teaching practices of wide sections of teachers by means of synergetic drawings connected between vision, mission and investment of organizational resources. The academics come from various universities, both Italian and foreigners, thus giving the course a multidisciplinary feature also thanks to the co-presence teaching, thus integrating and linking the different skills.

Learning targets:

- Being able to identify and reflect upon the objectives of personal teaching to define appropriate learning outcomes
- Acquire awareness of the centrality of learning, of the students' needs in order to adapt the educational planning accordingly
- Knowing how to actively use teaching practice and educational practice also sharing the urgency of developing open cultural models, generative of open and inclusive communities able to accommodate diversity at different levels
- Knowing how to choose and experience different approaches and methodologies both for teaching and learning that could be appropriate to the expected learning outcomes
- Knowing how to improve personal ability to perform lectures; understand and experience new student centred teaching methodologies (e.g. problem based learning, group work, self-directed learning, study cases, discussions, etc.) to be applied in the personal didactic and professional action
- Being able to analyse and use an effective teaching communication by consciously using verbal and non-verbal models and mediators (slides, videos, images, ...) to achieve the expected learning outcomes
  Knowing and be able to experience training methodologies and practices (for learning) and summation (of learning)
- Knowing how to promote students learning through ongoing assessment and feedback on their improvement areas.
- To be able to reflect on personal teaching experience and self comparison with others in a collaborative dimension by building up a teaching community that shares values, objectives, experiences and practices
- Knowing how to identify the most suitable strategies for professional development and lifelong learning in the logic of continuous training

Language: IT

Stages of the educational process

PHASE I: Motivation for the learning process
- Presentation of the training path and sharing of the learning contract
- Presentation of the training needs of the participating teachers on the basis of the results of the research tools (ASDU questionnaire, TPI) to investigate their beliefs, needs and practices (15 days before the start of the training)
- analysis of professional experience and identification of the "good teacher" qualities

PHASE II: Realization of the learning experience
- "Basic didactic training" seminars
- "Basic didactic training" workshop

PHASE III: Evaluation of experience
- Evaluation of the training path
- Evaluation of the impact of experience on representations and teaching practices

For further information on the course, the methods of participation, the dates of classes and the contents: http://bit.ly/insegnareinsegnare

CALENDARIO COMPLESSIVO

DATA	CORSO
30 novembre '18	Insegnare a Insegnare
13 dicembre '18	Insegnare a Insegnare
17 dicembre '18	Curare e conservare il dato per la ricerca 1
18 dicembre '18	Curare e conservare il dato per la ricerca 2
14 gennaio '19	I GIS come strumento di ricerca e di comunicazione 1
16 gennaio '19	I GIS come strumento di ricerca e di comunicazione 2
17 gennaio '19	Metodologia della ricerca
21 gennaio '19	I GIS come strumento di ricerca e di comunicazione 3
24 gennaio '19	Insegnare a Insegnare
25 gennaio '19	Insegnare a Insegnare
30 gennaio '19	Strumenti informatici per la ricerca dottorale
04 febbraio '19	Insegnare a Insegnare
05 febbraio '19	Insegnare a Insegnare
06 febbraio '19	Insegnare a Insegnare
13 febbraio '19	Digital Public History e Terza Missione
20 febbraio '19	Promuovere la propria ricerca nel web 1
21 febbraio '19	Promuovere la propria ricerca nel web 2
26 febbraio '19	La terza missione e il dottorato: l'impatto nella società e nel mondo del lavoro
18 marzo '19	Adattare la scrittura alla comunicazione
28 marzo 19	Insegnare a Insegnare
28 marzo 19	Le Digital Humanities: aspetti metodologici e pratici
8 aprile '19	Scienza aperta e metriche alternative 1
9 aprile '19	Come costruire il tuo Personal Brand
10 aprile '19	Scienza aperta e metriche alternative 2
11 aprile '19	Insegnare a Insegnare
12 aprile '19	Insegnare a Insegnare
12 aprile '19	Scienza aperta e metriche alternative 3

08 maggio '19	Ruolo degli Archivi istituzionali nella disseminazione della ricerca scientifica
10 maggio '19	Responsible Research & Innovation per Dottorandi
15 maggio '19	La valutazione della ricerca e gli strumenti disponibili presso l'Università di Pisa
16 maggio '19	Insegnare a Insegnare
17 maggio '19	Insegnare a Insegnare
28 maggio '19	Il ruolo della statistica nella ricerca
31 maggio '19	Gender Issues e programmazione europea
04 giugno '19	Statistica e casualità
06 giugno '19	Insegnare a Insegnare

The programme of Academic English classes will be communicated separately, it will be divided into different days depending on the PhD students scientific sector. For the modules of the course "Teaching how to Teach" please refer to the site http://bit.ly/insegnareinsegnare

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