COURSE: **Integrated Territorial Planning** Techniques, Tools and Procedures for Regional Development			
ACADEMIC YEAR: 2017-2018			
TYPE OF EDUCATIONAL ACTIVITY: Free choice			
TEACHER: FRANCESCO SCORZA			
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Language: ITALIAN			
ECTS: 6 (3,5 lessons, 2,5 tutorials/practice)	n. of hours: 60 (35 of the frontal lessons, 25 of tutorials/practice)	Campus: Potenza/Matera Dept./School: School of Engineering Program: Environmental and Civil Engineering	Semester: II

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course provides complementary content and activities to the lessons that characterize the Urban and Territorial Planning sector and, after short framing of the core principles and disciplinary tools, examines procedural, technical and advanced aspects related to the territorial projection of plans and development programs and to the evaluation of implementation procedures.

The main objective of the course is to provide students with the basics for analyzing and developing integrated intervention projects characterized by operational aspects related to the implementation of existing tools in the field of territorial planning and socio-economic development. A peculiar field of application of the proposed methodologies and contents is the study of the procedures related to the national and regional instruments implementing the EU Cohesion Policy, the analysis of the regulatory and normative reference framework, impact assessment resulting from implementation procedures. Students will be required to develop project applications aimed at enhancing efficiency among intervention alternatives, ensuring a high level of integration between the public and private stakeholders, favoring cluster logic for operators.

Knowledge:

- recalling basic elements of the urban and regional planning disciplines;
- knowledge about processes and programming techniques and management of regional development:
- basic knowledge to address the study and assessment of territorial intervention plans and programs;
- basic and advanced knowledge of development and programming support tools (the toolkit);
- Spatial Data Infrastructure (SDI) fundamentals and tools for representing spatial phenomena applied to real case studies.

Skill:

- analyze complex territorial and socio-economic planning frameworks;
- disrupting problems and territorial instances in elementary components interconnected through the cause-effect nexus;
- identify strategies and design alternatives for the implementation of regional development plans and programs;
- evaluating the levels of multi-sectoral integration of projects characterized by a high degree of interdisciplinarity;
- use appropriate technological tools to manage complex territorial processes.

Specifically, this course contributes to the following learning outcomes:

- **Knowledge and understanding:**

The student has to demonstrate acquired knowledge of the basic principles of the urban and territorial planning disciplines, the techniques of analysis and evaluation of criticality of intervention and the tools of territorial representation in order to build complete and articulate knowledge frameworks connected to intervention scenarios.

- **Ability to apply knowledge and understanding:**
  The student has to demonstrate that he is able to address the design of integrated interventions in the regulatory and procedural framework defined by the operative instruments of the EU Cohesion Policy at different scales, assessing the consistency and compatibility of the proposed solutions with the local urban planning tools, the system of constraints, the environmental / landscape features, the territorial risk management tools.
- **Autonomy of judgment:**
  The student has to be able to understand complex procedural aspects related to the regulatory reference framework for regional development policies. It has to compare, on the operational level, alternative intervention strategies by explicating the environmental, economic, social compatibility levels with the reference territorial context. The student will use the methodological, analytical and representative tools provided during the course
- **Communicative Skills:**
  During the final exam and classroom activities, the student has to demonstrate his own ability to clearly explain his work hypotheses and the results of the design process. He must also be able to communicate theoretical, methodological and operational content appropriately, also allowing people who are less experienced to understand the characterizing aspects.
- **Learning Skills:**
  The student has to be able to consult the learning material made available for the course with autonomy. Individual deepening will be required on the bibliographic references indicated by the teacher and on further sources identified by the student in full autonomy among the sectorial scientific publications and the technical and programmatic documents characterizing the case study proposed in the lesson.

PRE-REQUIREMENTS

It is appropriate hold in the background of student's curricula the following knowledge provided by the "Territorial Planning" and / or "Territorial Engineering" courses:

- Elementary concepts and basic principles of urban and regional planning
- Knowledge of the main regulatory and normative instruments in the field of urban and regional planning.
- Basic knowledge of territorial information systems applied to the assessment of urban phenomena and technical representation tools.

SYLLABUS

The programming of local development processes, articulated in territorial, socio-economic, infrastructural and environmental dimensions, represents a domain of interdisciplinary research and application in which the elaboration of interpretative models and procedures renewed with respect to the 'demand for efficiency' to public action at different levels.
It is currently underway to promote the learning of tools and techniques for assessing urban and territorial transformation processes, their governance and their territorial and social implications in order to consider the new instances of accountability, participation, / context based.
The course therefore deepens the themes of territorial planning and evaluation and building of policies aimed at the

re-balancing of territorial development according to a "strongly-oriented approach to the sites", based on the essential references of regional economics (localization of productive activities, regional specializations, interregional imbalances in economic development) and proposes the terms of sustainable regeneration and sustainable urban development as part of the goals of the recent New Urban Agenda and the International Urban and Territorial Planning Strategies developed by the United Nations (UN Habitat 2015) , 2016).
Based on the most recent literature, the course aims to promote the management of the operational phases of local development processes in a renewed context of rationality that emphasizes efficiency, fairness and durability in assessing the impacts and territorial impacts of the EU Cohesion Policy.
Among the tools and techniques of reference, in addition to the use of GIS for the management of space information in the OPEN SOURCE environment, the methodologies of LFA (Logical Framework Approach), Project Cycle Management (PCM), SODA (Strategic Options Development and Analysis) as DSS (Decision Support Systems).
The course provides a laboratory approach with the development and finalization of the projects already proposed in the courses of the previous years (with particular reference to the Territorial Planning and Engineering of the Territory) and will be directed towards any degree thesis in which the students will apply the methodological content with respect to the preparation and discussion of a complex product such as the elaboration of an integrated program of interventions applied to the development of territorial production chains, reorganization of the supply of spatial services, or a program for transforming spaces and space organization at the territorial or urban scale.
The course will continue to enrich, both through documentation and teaching tools, as well as in case studies and project exemplifications, as already collected and available on the web pages of the SI Urban and Territorial Systems Engineering Laboratory.

TEACHING METHODS

Theoretical lessons, Classroom tutorials, Laboratory tutorials.

EVALUATION METHODS

The objective of the exam is to check the level of achievement of the educational goals and expected learning outcomes previously described.
The exam is divided into 2 parts that take place on the same day: Discussion of a project work and oral examination.
The final vote considers overall level of the student's preparation.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

All the teaching material will be progressively made available on the web pages dedicated to the course on the website of the LISUT (www2.unibas.it/lisut/). It consists of presentations and papers by the lecturer, articles and extracts from technical/scientific publications, open-data and software for project work, guides and support manuals for the study of methodologies presented during the course, technical documents, plans and programs.
Part of the teaching material will be in English.

General references:
Faludi, A. (1985) A decision-centred view of environmental planning, Elsevier.
Franco Archibugi (2002) La città ecologica, Ed. Bollati Boringhieri ISBN 88-339-5664-4
Mauro Francini, M. F. Viapiana (2009) Elementi per il governo del territorio, Franco Angeli ISBN 978-88-568-0630-4
Beniamino Murgante (2008) L'informazione geografica a supporto della pianificazione territoriale, Ed. Franco Angeli

UN HABITAT (2015) International Guidelines on Urban and Territorial Planning, UN-Habitat.
UN HABITAT (2016) New Urban Agenda, UN-Habitat.
UN HABITAT (2017) Action Framework for Implementation of the New Urban Agenda UN UN-Habitat.
Leone F. e Zoppi C. (2016) Participatory processes and spatial planning. The Regional Landscape Plan of Sardinia, Italy, Territorio geovernance e sostenibilità, Franco Angeli, Milano, ISBN: 9788891740984
Las Casas G. B., Scorza F. (2009) Un approccio "context-based" e "valutazione integrata" per il futuro della programmazione operativa regionale in Europa". In Bramanti Salone (a cura di) Lo Sviluppo Territoriale Nell'economia Della Conoscenza: Teorie, Attori Strategie, Collana Scienze Regionali, 41, FrancoAngeli, Milano.
Las Casas G., & Scorza F. (2016). Sustainable Planning: A Methodological Toolkit. In O. Gervasi, B. Murgante, S. Misra, C. A. M. A. Rocha, C. Torre, D. Taniar, … S. Wang (Eds.), Computational Science and Its Applications -- ICCSA 2016: 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part I (pp. 627–635). Cham: Springer International Publishing. http://doi.org/10.1007/978-3-319-42085-1_53
Scorza F (2013). La programmazione regionale dal secondo dopoguerra alla Nuova Politica di Coesione Europea: una esplorazione dell'esperienza italiana. MELFI: Casa Editrice Libria, ISBN: 978-88-6764-025-6

INTERACTION WITH STUDENTS

The professor, after explaining the course program, the educational objectives and the verification methods, provides the teaching material of the lectures available electronically on the LISUT website (www2.unibas .com/lisut/). At the same time, a list of students who wish to attend the course will be organized in order to collect: name, last name, email and mobile number. Any communication on the lessons will be sent by the lecturer via email to all students enrolled in the course, and also published on the internet pages and on the social pages of the LISUT.
The professor is available for clarification during the reception hours (Tuesday - 17:00 - 20:00) at his own studio (Potenza, Campus of Macchia Romana, Engineering School, IV PIANO, room 17)
In addition to the weekly reception time, the professor is available at any time for a contact with the students, through their e-mail and cellphone.

EXAMINATION SESSIONS (FORECAST)[1]

14 giugno 2018, 12 luglio 2018, 26 luglio 2018, 13 settembre 2018, 11 ottobre 2018, 15 novembre 2018, 13 dicembre 2018

SEMINARS BY EXTERNAL EXPERTS YES **x** NO □

FURTHER INFORMATION

[1] Subject to possible changes: check the web site of the Teacher or the Department/School for updates.