



COURSE: Territorial Engineering			
ACADEMIC YEAR: 2017-2018			
TYPE OF EDUCATIONAL ACTIVITY: Free choice			
TEACHER: Giuseppe B. Las Casas			
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phone:		mobile (optional):	
Language: ITALIAN			
ECTS: 9 (6 lessons, 3 tutorials/practice)	n. of hours: 90 (60 of the frontal lessons, 30 of tutorials/practice)	Campus: Potenza/Matera Dept./School: School of Engineering Program: Environmental and Civil Engineering	Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The Student will acquire autonomous skills in managing the elaboration process of a territory transformation project with reference to the development of fundable projects based on competitive selection process and oriented to triggering territorial balancing processes according to the three principles of: equity, efficiency, conservation of not reproducible resources .

Preliminary arguments discussed during the lessons will be the framework of socio/economic and territorial planning in Italy through referrals to an essential bibliography.

To be easy to handle the information needed in the GIS environment will be considered as a pre-knowledge (a guide will be provided for QGIS learning).

The concepts connected with disciplinary innovation principles and instances of a renewed approach to rationality in the planning will be deepened during the course.

Through examples developed in the classroom and independently, the student will learn abilities in evaluating the relevance of the objectives to be pursued through the project. He will also understand the tools to assess the logic-structure of the project, the means-purpose sequence and effectiveness and efficiency of the actions.

To this end, through the didactic supports and through the collegial discussion in the classroom, it will be empower the ability to expose and argue on the logical robustness of the project.

The actual acquisition of such knowledge and skills will be verified during the examination.

Knowledge: facts, principles, theories and practices that characterize course.

- basic elements characterizing the normative framework of territorial planning in Italy (recalls)
- the programming process in a renewed approach to rationality: theoretical and technical aspects
- knowledge about: regional, national and community economic support system for the design of strategic interventions.
- basic knowledge to address the development of the Logical Framework Approach (geo-SWOT, problem graph layout, and the consequent objectives tree for the Logical Framework Matrix Matrix (LFM)
- to apply basic collective knowledge management methods and techniques for the management of participatory workshops

Skill:

- to develop autonomously the LFA with reference to the critical review capacity of the "Problems Three"
- Represent and discuss the territorial distribution of problems whose resolution (or mitigation) is addressed



by the project.

- Discuss the economic feasibility of the project based on a broad-based estimation of costs and input sources in order to obtain funding

Specifically, this course contributes to the following learning outcomes:

- **Knowledge and understanding:**
The student has to demonstrate acquired knowledge in the means-purpose sequence assessment according with LFA Methodology.
- **Ability to apply knowledge and understanding:**
The student has to demonstrate that he is able to link the knowledge of the institutional and regulatory framework with the concrete responsibilities of territorial investment projects (to design, to launch and governance).
- **Autonomy of judgment:**
The student has to be able to deepen his/her own knowledge as effectively as possible, i.e. to evaluate effectively the logical robustness of investment proposals
- **Communicative Skills:**
all students will have to work with the classroom presentations of their work by answering criticisms and comments from colleagues and professor
- **Learning Skills:**
The student, independently, has to be able to find geo-data and information about the socio-economic programming and the consistency of the problems..

PRE-REQUIREMENTS

- elementary concepts regarding the normative framework and objectives of territorial planning (two lessons and appropriate bibliography will be provided)
- use of GIS systems

SYLLABUS

Planning Culture and new rationality in planning.

Ref: . Pontrandolfi, A. Azzato: "Innovazioni nella pianificazione territoriale e urbanistica" Ed. Libria, pagg 17-32 "La pianificazione del territorio: evoluzione legislativa ..." Pagg. 63-102

M. Francini: "Elementi per il governo del territorio", Ed. Franco Angeli – pag. 25-49 "La legislazione urbanistica nazionale"

The National normative framework and the new instances

Ref: UN-HABITAT Guide Lines for urban and territorial planning

NEW URBAN AGENDA – UN-HABITAT

TERRITORIAL ANALYSIS

From data to information – Indicators – Visualization/analysis techniques



Ref: P.L. Paolillo: "L'urbanistica tecnica. Costruire il piano comunale" Ed Maggioli - pag. 111-182

Planning Culture and new rationality in planning.

Ref: G. las casas "Una cultura della pianificazione in un approccio rinnovato alla razionalità nel piano

G. Las Casas, F. Scorza Un rinnovato approccio razionale tra società liquida e pianificazione antifragile. Atti SIU 2016.

Las Casas G. B., Sansone A. (2004) "Un approccio rinnovato alla razionalità nel piano." In G. Deplano (a cura di) Politiche e strumenti per il recupero urbano, Edicom Edizioni, Monfalcone.

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.

GIS Technologies and Basic Data elaboration

Ref: QGIS Manual

Regional socio-economic development programs: from origin to the UE model

Lecture

Ref: Scorza: "La programmazione regionale dal secondo dopo guerra all'Europa a 27, una esplorazione dell'esperienza italiana."

Rapporto Barca;
CRPE BASILICATA

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

Listed in the SYLLABUS section



INTERACTION WITH STUDENTS

Lessons and Collegial Reviews are the main tools to follow up and discuss others' works is considered an important educational moment.

A short guide is always provided with the structure of the technical report that the student must learn to process.

You can always ask for an appointment via e-mail on reception time (usually on Wednesday afternoon from 16am to 19pm)

The course material has always been available on the course site and distributed at the end of the lessons.

EXAMINATION SESSIONS (FORECAST)¹

My rule is to agree with the students the exam dates according with the progress of their preparation, trying to use the month of February for examination sessions and trying not to interfere with the frequency of the second semester courses. The examination dates will be promptly published on the School's website and on the course web-pages.

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION will be daily provided on the LISUT social network page.

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