



COURSE: SPATIAL PLANNING			
ACADEMIC YEAR: 2016/17			
TYPE OF EDUCATIONAL ACTIVITY: Characteristic			
TEACHER: Beniamino Murgante			
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Language: Italiano (ENG)			
ECTS: 9	n. of hours: 90	Campus: Potenza	Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course will provide the fundamental principles of planning, related to spatial structure and organization. More particularly, the course provides to the students the useful notions to analyze the main characteristics of a geographical area using GIS technologies, highlighting the critical issues. Ability to identify integrated and intersectoral actions for the solution of problems and the achievement of sustainable development of the territory.

PRE-REQUIREMENTS

The course does not require any specific prerequisites

TEACHING METHODS

The course includes 60 hours lectures on the theoretical aspects, and 30 hours of training on geographic information systems and applications Land Suitability analysis.

EVALUATION METHODS

Oral examination, Discussion of a project work

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Edoardo Salzano, Fondamenti di urbanistica, Editori Laterza

Roberto Camagni, Principi di economia urbana e regionale, La Nuova Itala Scientifica

Ian McHarg, Design With Nature, Wiley, John & Sons, Incorporated

Frederick R. Steiner, The Living Landscape : An Ecological Approach to Landscape Planning, McGraw-Hill

Beniamino Murgante, L'informazione geografica a supporto della pianificazione territoriale, FrancoAngeli

Murgante B., Borruso G., Lapucci A. (2011) "Geocomputation, Sustainability and Environmental Planning" Studies in Computational Intelligence, Vol. 348. Springer-Verlag, Berlin. ISBN: 978-3-642-19732-1.

Murgante B., Borruso G., Lapucci A. (2009) "Geocomputation and Urban Planning" Studies in Computational Intelligence , Vol. 176. Springer-Verlag, Berlin. ISBN: 978-3-540-89929-7. doi:10.1007/978-3-540-89930-3

orruso G., Bertazzon S., Favretto A. Murgante B., Torre C. (2012) "Geographic Information Analysis for Sustainable Development and Economic Planning: New Technologies" Information Science Reference IGI Global, Hershey, PA DOI: 10.4018/978-1-4666-1924-1

The main educational resources are shared in a Dropbox folder.

Further educational resources (video, audio, ecc.) are available on the course blog:

<http://pianificazioneterritoriale.wordpress.com/>

EXAMINATION SESSIONS (FORECAST)¹

7 febbraio 2107, 28 febbraio 2017, 12 aprile 2017, 14 giugno 2017, 12 luglio 2017, 26 luglio 2017, 13 settembre 2017, 11 ottobre 2017, 15 novembre 2017, 13 dicembre 2017.

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



Università degli Studi della Basilicata
Scuola di Ingegneria

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

