



COURSE: SPATIAL PLANNING

TEACHER: Beniamino Murgante <http://oldwww.unibas.it/utenti/murgante/Benny.html>

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LANGUAGE	Italian		
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ECTS:9	ACADEMIC YEAR: 2013/2014	Campus: Potenza, Macchia Romana	Semester: I
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TOPICS

Main categories of plan with related legal principles.

Fundamental of spatial information systems.

Elements and methods for the analysis of socio-economic and environmental variables.

Analysis of the instruments of physical and socio-economic planning. particular attention will be paid to the implementing instruments of regional development policies.

TEACHING METHODS

- Theoretical lessons
- Tutorials in classroom
- Tutorials in laboratory
- Project works
- Technical visits

TEXTBOOKS

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

ON-LINE EDUCATIONAL MATERIAL

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/>

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.

REQUIREMENTS

The course does not require any specific prerequisites



EVALUATION METHODS

- Intermediate verifications
 - Written examination
 - Discussion of a project work
 - Practical test
 - Oral examination
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DETAILED CONTENT

Introduction to the course, why it is important to plan, the concept of city and territory
Some important plans considered cornerstones of planning
National Planning Act 17 August 1942 no. 1150
Master plan
Land-use planning
Environmental planning
urban standards
Transfer of Development Rights
Strategic Planning
Environmental Impact Assessment (EIA), Strategic Environmental Assessment (SEA)
Land Suitability analysis
Soil consumption
Introduction of Geographic Information Systems
Analysis of data with geographic information systems
3d Models
Analysis on grid data

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION
