

General Information	
Academic subject	Analysis, Planning and Conservation of Land Resources
Degree course	Sustainable Management and Development of Mediterranean Rural Systems
Curriculum	GSR
ECTS credits	6 ECTS
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	e-mail address	SSD
	Giuseppe Ruggiero	giuseppe.ruggiero@uniba.it	AGR/10

ECTS credits details	AREA	SSD	ECTS
Basic teaching activities	07	AGR/10	6

Class schedule	
Period	II semester
Year	II year
Type of class	Frontal lessons: 4 ects Tutorial classes : 2 ects

Time management	
Hours	150
In-class study hours	32 +28 = 60
Out-of-class study hours	90

Academic calendar	
Class begins	5th March, 2018
Class ends	22nd June, 2018

Syllabus	
Prerequisites/requirements	Basic knowledge of the themes inherent in the main natural, productive and socio-economic components of the territory. Propedeuticity: none
Expected learning outcomes	<p><i>Knowledge and understanding</i></p> <ul style="list-style-type: none"> ○ Understanding and learning the concepts of territory, landscape and environment ○ Understanding and learning the concepts of resource and territorial detractor. ○ Understanding the importance of land transformation processes and the role of urban and territorial planning ○ Understanding the role of mapping and primary information sources in the analysis process ○ Understanding the role and contents of plans in territory planning and managing. <p><i>Applied knowledge and understanding</i></p>

	<ul style="list-style-type: none"> ○ Ability to apply the acquired knowledge in the process of analysis, planning and management of the territory <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> ○ Autonomous capability in understanding and processing complex problems and related solutions in the spatial planning process, with particular focus on agroforestry and protected areas. <p><i>Communicating knowledge and understanding</i></p> <ul style="list-style-type: none"> ○ Skills to communicate with technicians and administrators of public and/or private bodies responsible for spatial planning processes as well as representatives of stakeholders groups. ○ Ability of working in interdisciplinary groups dedicated to the drafting of territorial plans ○ Ability of reporting and disseminating their knowledge as well as the work and results projects developed firsthand or within group activities. <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> ○ Independency in acquiring and developing new knowledge and technical skills. ○ Ability to learn how to face and solve problems related to the agronomist profession in the territory planning and management process. ○ Acquire useful methods for evaluating resources and land use detractors. <p>The expected learning outcomes in terms of knowledge and skills are listed in Annex A of the Master's Degree Course in Sustainable Management and Development of Mediterranean Rural Systems (expressed through the European Descriptors of the Degree Program; Field of Disciplines of the Engineering).</p>
Contents	<ul style="list-style-type: none"> ● National and regional land legislation ● National and regional landscape legislation ● Bodies responsible for spatial and landscape planning. ● Basic mapping for drafting of territory planning. ● Types and contents of territorial and urban plans ● Territorial planning criteria ● Tools and methods of analysis and planning for agro forest areas.
Course program	
Bibliography	<ul style="list-style-type: none"> ● Colombo G. e altri, Manuale di Urbanistica, Pirola Editore, Milano,1994 ● Mercandino A., Urbanistica Tecnica, Il Sole 24 Ore - Pirola, Milano 2001. ● Aleo M., Urbanistica – Strumenti delle Politiche Territoriali e Urbane, Grafil, Palermo 2008 ● Oneto G., Manuale di Pianificazione del Paesaggio, Il Sole 24 Ore - Pirola, Milano 1997. ● Chiusoli A. La Scienza del Paesaggio, Clueb, Bologna 1999 ● Dal Sasso P., Il paesaggio e l'ambiente nella pianificazione del territorio rurale, Grenzi Editore, Foggia 2001 ● Leone A., Ambiente e Territorio Agroforestale, Franco Angeli / Urbanistica, Milano 2004

Notes	
Teaching methods	Lectures will be presented using the blackboard and through Power Point presentations.
Assessment methods (indicate at least the type written, oral, other)	<p>For students enrolled in the academic year in which teaching is carried out, there is a mid-term exam consisting in an oral test on arguments developed during theoretical and theoretical-practical lesson hours. The outcome of this test contributes to the evaluation of the final exam and is valid for one academic year.</p> <p>The exam consists of an oral test related to the subjects on the syllabus covered during the theoretical and theoretical/practical lessons in classroom and production farms, as stated in the Academic Regulation of the of the Management and Sustainable Development of Rural Mediterranean Systems Master Program (art. 10) and its relative study plan (Attachment A).</p> <p>The student competence evaluation, in both mid-term and final exam, is based on predefined criteria, as detailed in Attachment A of the Academic Regulation of the Master Program.</p> <p>Please note that in order to take the second mid-term exam, students must have passed the first one. Students who fail the first mid-term exam must attend the general exam.</p> <p>For the final exam, the student will present, in written or oral form, a deepening subject on a topic of the course, assigned by the teacher.</p> <p>Final grade for students taking both mid-term and final exam is determined by the arithmetic average of the two grades.</p> <p>Foreign students can do their exam in writing consisting in 20 questions (10 multiple-choice, and 10 open questions) and lasting 60 minutes. Multiple-choice questions account for 1/30 each, while open questions are graded from 0 to 2/30 each. Final grade is determined by the sum of total points.</p>
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.	<ul style="list-style-type: none"> ○ Knowledge about essential elements and processes at the basis of plant life ○ Knowledge of metabolisms and energy transformations in plants and the environment. ○ Knowledge of the role of primary sources (atmosphere, water and soil) for plant nutrition and life, and of the mechanisms through which plants acquire and assimilate nutrients. ○ Ability to use the basic knowledge to solve problems related to soil fertility and plant production. ○ Ability to express acquired knowledge through a sound scientific language.
Further information	<p>Visiting hours: every day on appointment to be defined by e-mail.</p> <p>Student reception: every day after a telephone or via e-mail appointment.</p>