

General Information	
Academic subject	Forest land management and forest fire protection
Degree course	Sustainable Management of the Mediterranean Countryside
Curriculum	Silviculture and Forest Assessment
ECTS credits	9
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Raffaele Laforteza	raffaele.laforteza@uniba.it	AGR/05

ECTS credits details			
Basic teaching activities	Lessons 6 CFU	Practice 3 CFU	

Class schedule	
Period	First semester
Year	Second
Type of class	Lecture- workshops

Time management	
Hours	90
In-class study hours	75
Out-of-class study hours	15

Academic calendar	
Class begins	October 2, 2017
Class ends	January 26, 2018

Syllabus	
Prerequisites/requirements	
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	<p><i>Knowledge and understanding</i> Acquire skills and knowledge related to the analysis and management of Mediterranean landscapes (agro-forestry systems) with attention to aspects related data acquisition and geospatial information and their processing using computerized technologies and tools, such as Remote Sensing, LiDAR, GIS (Geographic Information Systems) and G.P.S. (Satellite Positioning Systems).</p> <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> - Application of advanced knowledge and techniques to forest land management and forest fire protection. - Understand the drivers of landscape change, assessing their implications for land management and biodiversity conservation, with particular focus on sustainable resource management. <p><i>Making informed judgements and choices</i> Ability to operate within the public administration sector or as consultants in the analysis and management of landscapes with specific expertise in the field of computerized processing through the use of leading-edge tools and technologies.</p> <p><i>Communicating knowledge and understanding</i> Development of personal attitudes to communication,</p>

	<p>multidisciplinary group work and critical skills both on the technical and economic level and on the human and ethical level, using the Italian and a language of the Union, usually English.</p> <p><i>Capacities to continue learning</i> Continuous updating of knowledge in the field, including tools that make use of new communication and information technology.</p>
Contents	<p>The discipline aims to provide knowledge related to the analysis and management of Mediterranean landscapes (agro-forestry systems) with particular attention to aspects of data acquisition and spatial information and their processing using computerized technologies and tools, such as Remote Sensing, LiDAR, GIS (Geographic Information Systems) and G.P.S. (Satellite Positioning Systems).</p>
Course program	
Bibliography	<p>Notes of the lectures distributed during the course.</p> <p>Farina A., 2001. Ecologia del paesaggio. Principi, metodi e applicazioni. UTET Torino</p> <p>Piano di previsione, prevenzione e lotta attiva contro gli incendi boschivi 2012-2014 L.353/2000, Regione Puglia. In BURP n. 59 del 23-04-2012.</p>
Notes	
Teaching methods	<p>Lectures will be presented through PC assisted tools (PowerPoint, Adobe Acrobat, etc.).</p>
Assessment methods (indicate at least the type written, oral, other)	<p>The exam consists of an oral test on the topics developed during the hours of theory and practice in the classroom and in the field, as reported in the Academic Regulations for the Master (article 9) and in the study plan (Annex A). For students enrolled in the course year in which the teaching is done there will be a mid-term exam. The mid-term exam will be oral. The outcome of this exam contributes to the final evaluation and is valid for one academic year. The evaluation of the student's preparation is based on pre-established criteria, as detailed in Annex A of the Degree Regulations. For students who took the mid-term exam, the final evaluation is expressed taking into account the result of the mid-term exam.</p>
Evaluation criteria	<p><i>Knowledge and understanding</i> Ability to express properly the issues related to the analysis and management of agro-forestry landscapes.</p> <p><i>Applying knowledge and understanding</i> Ability to understand complex issues associated to landscape management and disturbance factors such as forest fires.</p> <p><i>Making informed judgements and choices</i> Ability to properly apply the computer-based methods to support decisions</p> <p><i>Communicating knowledge and understanding</i> Ability to communicate effectively the acquired skills.</p> <p><i>Capacities to continue learning</i> Continuous updating of knowledge in the subject, also with reference to acquired knowledge applications.</p>
Further information	