



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	
<b>ACADEMIC YEAR</b>	
<b>ANNO ACCADEMICO EROGAZIONE</b>	
<b>SUBJECT</b>	
<b>CODE</b>	
<b>SCIENTIFIC SECTOR(S)</b>	
<b>HEAD PROFESSOR(S)</b>	MAETZKE FEDERICO    Professore Ordinario    Univ. di PALERMO GUGLIELMO
<b>OTHER PROFESSOR(S)</b>	
<b>CREDITS</b>	
<b>PROPAEDEUTICAL SUBJECTS</b>	
<b>MUTUALIZATION</b>	
<b>YEAR</b>	
<b>TERM (SEMESTER)</b>	
<b>ATTENDANCE</b>	
<b>EVALUATION</b>	
<b>TEACHER OFFICE HOURS</b>	<b>MAETZKE FEDERICO GUGLIELMO</b> Wednesday 11:00    13:00    Studio Maetzke . n. 24 ed. 4 ingr. H., Dipartimento di Scienze Agrarie, Alimentari e Forestali, viale delle Scienze 11.

**DOCENTE:** Prof. FEDERICO GUGLIELMO MAETZKE

<b>PREREQUISITES</b>	Forest mensuration methods knowledge, Forest Management fundamentals. basis of GIS use and remote sensing concepts.
<b>LEARNING OUTCOMES</b>	An indeep knowledge of forest planning at different levels and wildfire management planning should be achieved. Use of specific language of planning at different levels. Pupils should acquire the hability interpreting existing plans and of targeting plan draft individuating the real problems of a territory, using the main techniques of wildfire managing, as fas as drafting plans and programs for parks and natural reserves.
<b>ASSESSMENT METHODS</b>	Final oral exam: based on 3-4 technical questions related to forest planning, wildfire planning, and discussion of the paper drafted as class exercise . The sufficient level will be earned demonstrating a basic knowledge of planning tools concepts comprehension and basic plan drafting capability, exposed in a correct specific language. The maximum score will be obtained with a skilled showing and explaining capability related to the detailed solution of practical study cases of plan interpreting and drafting as far as a solid theoretical knowledge of planning and management items. Numerical evaluation based on a 30 score range.
<b>EDUCATIONAL OBJECTIVES</b>	The main target of the course is to give the pupils the fundamentals of forest planning, wildfire planning and management, parks and reserve planning, in order to make them able to interpreter existing plans and draft new planning. They will be trained with both examining existing example and drafting their own proof plan draft. With regards to wildfires, the course will give the students the main field tools for risk evaluation.
<b>TEACHING METHODS</b>	frontal lessons and lectures, class and laboratory exercises,
<b>SUGGESTED BIBLIOGRAPHY</b>	AA.VV. (2004) – Standard di buona gestione forestale per i boschi Appenninici e Mediterranei (SAM). AISF (Accademia Italiana Scienze Forestali) (Firenze, 2004), 23 pp. [online] URL: <a href="http://www.aisf.it/sam/index.htm">http://www.aisf.it/sam/index.htm</a> Ciancio O., Corona P., Marchetti M., Nocentini S. (2002) – Linee guida per la gestione delle risorse forestali e pastorali nei Parchi Nazionali. A.I.S.F. (Accademia Italiana di Scienze Forestali) (Firenze 2002), 300 pp. Altri articoli saranno forniti dal docente Bovio G., 1996 – Come proteggerci dagli incendi boschivi. Regione Piemonte. Torino. Blasi C., Bovio G., Corona P., Marchetti M., Maturani A. (a cura di), 2004 – Incendi e complessita' ecosistemica. Dalla pianificazione forestale al recupero ambientale. Ministero dell'Ambiente e della Tutela del Territorio – Societa' Botanica Italiana. Regione Siciliana, 2003 – Piano Regionale per la difesa della vegetazione dagli incendi. Ufficio Speciale Servizio Antincendi Boschivi, Assessorato Agricoltura e Foreste. Regione Siciliana, 2007 – Studio sullo sviluppo di un Sistema Comune di Supporto alle Decisioni". Obiettivo: riduzione delle superfici bruciate. Ufficio Speciale Servizio Antincendi Boschivi, Assessorato Agricoltura e Foreste. pp. 45.

## SYLLABUS

Hrs	Frontal teaching
3	fundamental of forest planning, different levels of forest planning, relationships of forest planning and other sectors planning.
6	Forest plans at different levels: a general framework, relations between other territorial plannign tools, Forest planning in Europe
4	National forest plan: purposes, structure and contents, some case studies.
6	Regional forest plans: purposes, structure and contents. Case studies (Sicity and Sardinia regions forest plans). relations between RFP and European funded development programs
4	Intermediate level plans: territorial plans (Piemonte Sardinia plans analisys)
6	Local management plans, structure, contents and case studies
4	Protected areas planning: structure of the plans, contents and case studies
6	fundamentals and indepth analisys of fire risk evaluation and planning, wildfire fighting
2	National and local wildfire managing and fighting rules
4	fundaemntals and guidelines for wildfire plan drafting. definition of target of wildfire planning.
4	Wildfire risk evaluation, fuel model, statistical risk, geographical and meteorological risk analisys.
6	Wilfire managing plan drafting: structure, organisation, local and regional plans
Hrs	Practice
5	Protected area plan proof drafting,

<b>Hrs</b>	<b>Workshops</b>
4	Fuel models proof map drafting