SCUOLA DI SCIENZE AGRARIE, FORESTALI, ALIMENTARI ED AMBIENTALI

ACADEMIC YEAR: 2018-2019

COURSE: **Forest appraisal and environmental evaluation**

TYPE OF EDUCATIONAL ACTIVITY: **Characterizing**

TEACHER: **Prof. Severino Romano**

e-mail: severino.romano@unibas.it	Web: http://docenti.unibas.it/site/home/docente.html?m=002950
Phone: **0971/205409**	mobile: **3263606236**

Language: **Italian**

ECTS: 9 8 frontal lectures 1 practice)	n. of hours: 64 hours lectures 16 hours practice	Campus: Potenza School: SAFE Program: Forest and Environmental Sciences	Semester: II

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The analysis of production's factors will be developed from appraisal point of view. A particular emphasis will be given to financial mathematics in order to provide students with basic theoretical and analytical tools useful to understand the estimating theory and the assessment of the economic viability of investments in the forestry sector as well as the environmental valuation techniques to evaluate environmental externalities.
The course will focus on forest and environmental appraisal with the aim of contributing to student professional training.

- ❖ **Knowledge and understanding:** teaching provides the students with the theoretical and practical tools of the appraisal of agro-forestry and environmental sector, as well as the skills needed to undertake the next courses in the Master's Degree course.
- ❖ **Applying knowledge and understanding:** the aim of the course is to provide the student with knowledge and understanding of economic and appraisal problems in the forestry and environmental field. In particular, the student will be able to acquire analytical capabilities for the estimation of forestry lands and environmental public goods, tools for evaluation and economic management of agro-forestry enterprises. Competences are also provided for interpreting the main issues of environmental and climate policy, with particular reference to the connections with forestry sector.
- ❖ **Making judgements:** develop the ability to collect and interpret synthetic and/or analytical data considered useful to determine autonomous judgments, including reflection on related science themes.
- ❖ **Communication skills**: develop the ability to communicate information, ideas, problems and solutions to specialist and non-specialist stakeholders.:
- ❖ **Learning skills:** develop learning skills that are required to undertake subsequent studies with a high degree of autonomy

PREREQUIREMENTS
- Forest economics and policy (optional)

SYLLABUS
Lessons
The phases of appraisal (aim, evaluation's criteria, method), fundamentals of financial mathematics, environmental appraisal, stumpage value, Faustmann value, forest appraisal, damage evaluation, servitude, expropriation, Benefits, costs and evaluation criteria in appraisal practices.
Practices
Study and analysis of real specific cases; preparation of an expert's report; Environmental impact assessment.

TEACHING METHODS
80 hours of lessons 32 hours of laboratory.

EVALUATION METHODS
Oral examination at the end of the course. Three questions, one of which related to topics addressed during practices.

TEXTBOOKS AND EDUCATIONAL MATERIAL
- *Teaching material distributed in classroom*
- Merlo M., (1992). Elementi di Economia ed estimo Forestale-ambientale. Patron editore, Padova;
- Bernetti I., Romano S., (2007). Economia delle risorse forestali. Liguori editore, Napoli;

INTERACTIONS WITH STUDENTS
At the beginning of the course, after describing objectives, program and verification methods, the teacher provides the students with didactic material (shared folders).

Reception hours for students

- In the morning, between 9.00 am to 1.00 pm in the office, by appointment
- e-mail: severino.romano@unibas.it

EXAMINATION SESSIONS
Last Friday of each month, except for August

EVALUATION BOARD
- Severino Romano
- Mario Cozzi
- Gennaro Ventura
- Mauro Viccaro

SEMINARS BY EXTERNAL EXPERTS   YES