Università degli Studi della Basilicata
Scuola di Ingegneria

COURSE: ENVIRONMENTAL IMPACT ASSESSMENT

ACADEMIC YEAR: 2016-1017

TYPE OF EDUCATIONAL ACTIVITY: Characterizing

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Language: ITALIAN

ECTS: 6 Lessons: 5 ECTS Tutorials: 1 ECTS	n. of hours: 54 Lessons: 45 hours Tutorials: 9 hours	Campus: Potenza Dept.: Scuola di Ingegneria Program: Environmental and Civil Engineering	Semester: SECOND

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course provides the teaching of knowledge for the development of environmental impact assessment procedures and techniques and methodologies to perform environmental impact studies.
Specifically, principles, theories and practical applications regarding the studies of strategic environmental assessment of plans and programs (SEA) and Environmental Impact Assessment (EIA) projects are described, explained and examined.
Students should attain the main theoretical knowledge, basic and advanced applications for the study and implementation of EIA, the legislation at communitary, national and regional levels, and the preparation of the environmental impact study (EIS) and methodologies useful to pathway analysis

PRE-REQUIREMENTS

There are no specific prerequisites

SYLLABUS

The main objects of study are related to:
- historical background and legislation in the area of EIA;
- scope of application and implementation of EIA.
- the EIA procedures and the legislation at communitary, national and regional levels;
- strategic environmental assessment of plans and programs (SEA);
- environmental impact assessment of projects (EIA) ;
- integrated environmental authorization (AIA);
- environmental impact study (EIS): objectives, minimum contents and methods of analysis;
- the stages of EIA: screening and scoping, characterization, identification and assessment of impacts;
- methodologies for assessing environmental impact of projects;
- analysis and examination of case studies: technical criteria and plants by the way and examination of projects.

TEACHING METHODS

Theoretical lessons, Classroom tutorials, Project works.

EVALUATION METHODS

Oral examination, Discussion of a project work.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Texts of handouts and notes provided by the lecturer which are delivered directly to students via e-mail.
Specific topics are deepened on texts and documents retrieved from websites of recognized technical and scientific value.
For further information and updates, thematic texts of special interest, magazines and reports are provided.

INTERACTION WITH STUDENTS

In order to establish a direct contact between teacher and student, from the very first lessons, we shall draw up a register of students attending, of which you are collecting data on name, last name, identification number, e-mail address and telephone number.

Subsequently, in proceeding of the course, is transmitted to students by mail the material is available in electronic form.

During the corse a “theme of the year” is then assigned to each student consisting of a project outline concerning a technical project examined during the course which students will analyze on the basis of acquired experience.

The teacher informs students about methods of study and learning assessment and methods of examination. In addition to office weekly hours, the teacher is available at any time for a contact with the students, through their email or phone number to warrant, if necessary, additional office hours.

EXAMINATION SESSIONS (FORECAST)[1]

Last week of the month; the date is still agreed with students interested in taking the exam.

SEMINARS BY EXTERNAL EXPERTS YES

[1] Subject to possible changes: check the web site of the Teacher or the Department/School for updates.