

Environmental Impact Assessment

Academic Year: (2022 / 2023)

Review date: 02/06/2022 13:01:35

Department assigned to the subject: null

Coordinating teacher:

Type: Electives ECTS Credits : 3.0

Year : 2 Semester : 1

OBJECTIVES

- Knowledge of the values of biodiversity, justice and environmental sustainability, and the ability to apply the principles of prevention and precaution in the context of theoretical principles in the evaluation of environmental impact assessment.
- Understanding of the interactions between the administrative design, planning and documentation steps in the environmental impact assessment process.
- Ability to understand and apply the methods based on the identification and assessment of alternatives, weighing of factors, the identification of potential impacts and evaluation of impacts.
- Comprehension of the GIS (geographical information systems) potential and acquisition of collaborative methods techniques in the EIA.

DESCRIPTION OF CONTENTS: PROGRAMME

- Case study of environmental impact evaluation, valuation of environmental elements and prediction of potential impacts.
- Analysis of potential impact of the case under study on air, soil, noise, biological and sociological environment.
- Applications of cause-effect matrices and georeferentiation methods in the process of identification of environmental impacts.
- Elaboration of documents of targeting, scope, design, planning, monitoring, auditing.

LEARNING ACTIVITIES AND METHODOLOGY

- Theoretical classes
- Theoretical-practical classes
- Tutorships
- Team work
- Individual assignments
- Midterm and final exams.

ASSESSMENT SYSTEM

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| % end-of-term-examination/test: | 40 |
| % of continuous assessment (assignments, laboratory, practicals...): | 60 |
| - Class participation | |

% end-of-term-examination/test:	40
% of continuous assessment (assignments, laboratory, practicals...):	60
- Individual or group presentations	
- Individual or group work done during the course	
- Discussions	
- Final exam/assignment	

BASIC BIBLIOGRAPHY

- Glasson et al. Introduction to Environmental Impact Assessment, Routledge, 2012
- Lawrence, David Environmental Impact Assessment. Practical Solutions to Recurrent Problems, Wiley, 2003

ADDITIONAL BIBLIOGRAPHY

- Beattie, R. Everything you already know about EIA, but don't often admit, Environmental Impact Assessment Review 15, 1995
- Calow, P. (ed) Handbook of environmental risk assessment and management, Blackwell Science, 1997
- Canter, L. and Ross, W. State of practice of cumulative effects assessment and management: the good, the bad and the ugly, Impact Assessment and Project Appraisal 28 (4), 261-28, 2010
- Cooper, L.M. and Sheate W. Cumulative effects assessment: A review of UK environmental impact statements, Environmental Impact Assessment Review 22. 415-439, 2002
- Morgan, Richard K. Environmental impact assessment: the state of the art, Impact Assessment and Project Appraisal, Vol. 30, No. 1, March 2012, 5-14.