



**UNIVERSIDAD LIBRE®**

Personería Jurídica No. 192 de 1946 de Mingobierno  
Nit.: 860.013.798-5



## FREE UNIVERSITY PEREIRA SECTION

### UNDERGRADUATE PROGRAM IN ENVIRONMENTAL ENGINEERING



#### SUBJECT: **ENVIRONMENTAL IMPACT ASSESSMENT**

CODE: 129322

SEMESTER: NINTH

AREA: APPLIED ENGINEERING

MODE THEORETICAL - PRACTICAL

PREREQUISITE PROJECT FORMULATION AND EVALUATION

IHS 2

HTSI 4

NUMBER OF CREDITS: 2

#### GOALS

That the student is able to carry out the environmental impact assessment of a project and propose the respective mitigation measures.

#### METHODOLOGY

The course will be developed with master lectures by the professor on the content basics of the subject; for their part, students will strengthen their knowledge of the subject through recommended readings, consultations with the professor, and through a study of environmental impact and management plan of a project that the student will develop during over the course of the semester.





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## WORK PROGRAM

- General Concepts
- Typology of environmental impacts
- Typology of environmental impact assessments
- Applicable legislation
- New methodologies for environmental impact assessment
- Qualitative assessment of environmental impact
- Study of the project and its environment, impact matrix, importance matrix
- Quantitative assessment of environmental impact
- Procedures, predictions of impact magnitude, impact assessment, impact prevention.
- Transformation functions of environmental elements.



## LITERATURE

- FERNANDEZ, Conesa. Methodological Guide for Environmental Impact Assessments.  
Ed. Grafo SA Spain, 1995.
- DUEK J. Methods for Environmental Impact Assessment. Smith Editores.  
Caracas, 1979
- MINISTRY OF THE ENVIRONMENT. Legal Framework of Environmental Law  
Colombian. Bogotá, 1996.





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- SEMINAR ON ENVIRONMENTAL IMPACT DECLARATION AND ASSESSMENT. University  
from Antioch. Medellin. 1993.

