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



## FREE UNIVERSITY PEREIRA SECTION

### UNDERGRADUATE PROGRAM IN ENVIRONMENTAL ENGINEERING



**PROGRAM : ELECTIVE (ENVIRONMENTAL SOCIOLOGY)**

CODE:	12215
SEMESTER:	SECOND
AREA:	BASIC SCIENCES
MODE	THEORETICAL
PREREQUISITE	NO PREREQUISITE
IHS	2
HTSI	4
NUMBER OF CREDITS	2

### GOALS

#### GENERAL

Provide the student with conceptual, methodological, and instrumental elements to integrate the socioeconomic component into the systemic understanding of the environment.

#### SPECIFIC

Identify and appropriate conceptual elements of the socioeconomic sciences that contribute to understanding the interrelations between society and nature





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Analyze the socioeconomic process that has determined the transformation of the natural and environmental base in Colombia

Study and apply methods and tools of participatory environmental diagnosis in the communities of Risaralda

## CONTENTS

### UNIT 1:

Conceptual and Methodological Perspectives in Research between Society and Environment Atmosphere.

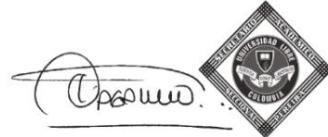
1. Organicism and Comparative Methods.
2. Analog Models and "Ecological Methods".
3. Systemic Methods.
4. The Study of Interactions and their Effects.

### UNIT 2:

The Sociological Method Applied to Environmental Studies.

1. The Causal Method. Notion of Causality.
2. Retrospective causal analysis. Prospective causal analysis.
3. Types of causation.
4. Measurement in Social Sciences: operationalization of concepts.
5. Construction of Indicators and Indexes.

Practical Exercises.



### UNIT 3:

The Techniques and Operating Modes of Research.





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1. The Social Research Process and its phases.
  2. The Organization of Work in Social Research.
  3. Empirical Research Techniques.
  4. Types of Samples and Selection Procedures.
- Practical Exercises.

#### **UNIT 4:**

General Techniques for Data Collection and Analysis.

1. The Interview.
2. The Discussion Group.
  
3. The Survey.
4. The Questionnaire: General Rules for preparing questions.
5. The Construction of the Questionnaire.
6. Coding and Interpretation of Results.

Practical Exercises.

#### **UNIT 5:**



Environmental Problems and Social Change.

1. Ecological Degradation and Social Awareness.
2. Information flows, ideology and public opinion.
3. The Process of Social Change in the Face of Environmental Problems.
4. Social characteristics and environmentalism.

Practical Exercises.

#### **UNIT 6:**





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Socio-Environmental Indicators and Sustainable Development.

1. Social Characteristics of Environmental Preservation and Sustainable Development.
2. Social Indicators of Environmental Improvement.
3. Social Indicators in Environmental Impact Studies.
4. Environmental Preservation as Quality of Life.
5. Socio-environmental Programs. Comparative Analysis.

Practical Exercises.

#### **UNIT 7:**

Analysis and Evaluation of Socio-Environmental Programs.

1. The Evaluation of Socio-environmental Programs.
2. Methodology and Analysis of Objectives, Approaches and Means of Intervention.
3. Programs and Campaigns. Comparative Sociological Analysis.
4. Education, Awareness and Social Response.
5. Socio-environmental Programming Process as a continuous routine.

Practical Exercises.



#### **LITERATURE**

- ALVIRA MARTÍN, F. (1991): Methodology of Program Evaluation, CIS Madrid.
- BALCELLS JUNJENT, J. (1994): Social Research, PPU Barcelona.
- BROWN, R. and OTHERS (1992): "Better Indicators of Human Well-being", in The Salvation of the Planet, Apostrophe, Barcelona (117-126).





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- CASTELLS, M. (1997): *The Information Age. Vol. 2. The Power of Identity*, Alianza.

Madrid. Chapter 3.

- GOMEZ BENITO, C. (1996): "Sociodemographic characterization of environmental sensitivity in Spain". ICE No. 75 (128-147).

- HERNÁNDEZ SAMPIERI, R. and OTHERS (1991): *Social Research Techniques*. Auditorium, Madrid.

- MINISTRY OF ENVIRONMENT (1996): *Environmental Indicators. A proposal for Spain*.

- PARDO BUENDÍA, M. (1994): "Social Impact in Environmental Impact Assessments". REIS No. 66 (141-167).

- PIZARRO, N. (1998): *Person and Society*. Archipelago. Barcelona.

- UNITED NATIONS DEVELOPMENT PROGRAMME (1996): *Report on Human Development*. Mundi Press. Madrid.

- (1997): *Human Development Report*. Mundi Press. Madrid.

- ROJO, T. (1991): "Sociology and the Environment". REIS No. 55 (104-110).

- SANZ LÓPEZ, C. and SÁNCHEZ ALHAMA, J. (1998): *Environment and Society*. 2nd Ed. Comares. Granada.

STUFFLEBEAM and SHIRKFIELD, AJ (1987): *Systematic Evaluation: A Theoretical and Practice*. Paidós. Barcelona.





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- VISAUTA VINACUA, B. (1992): Social Research Techniques. Causal Models. Ed. Hispano-European. Barcelona.
  
- WORCESTER, RM (1995): "Social values and attitudes towards the human dimensions of global environmental change" in Global Trends in Change in Social and Political Values. Fundesco. Madrid. (333-353).

