



**UNIVERSIDAD DE SONORA**  
**Center Regional Unit**  
**Economic and Administrative Science Division**  
**ACCOUNTING DEPARTMENT**  
**Bachelor of Tourism**

<b>Course:</b> Environmental Impact Statement			<b>Ident:</b> (SCHOLAR)
<b>Pre-requirement:</b> N/A		<b>Sub-sequent:</b> N/A	
<b>Credits:</b> 6	<b>Mode:</b> Semi-attendance	<b>Week hours:</b> 3	<b>Course hours:</b> 48
<b>Teaching-learning mode:</b> seminar		<b>Service Department:</b> Accounting Department	
<b>Formation core:</b> Professional			
<b>Specific competencies to be developed:</b>			
<b>Competency 2</b> - Plans and designs tourism projects attending the social problem diagnosis.			
<b>Competency 3</b> - Manages resources and evaluates tourism projects from an integral diagnosis.			
<b>Competency 4</b> - Identifies and diagnoses the impact of social, environmental and territorial factors in tourism development			

**Introduction:**

The “Environmental Impact Statement of the Tourism sector (MIA)” shall provide the student with the instruments and knowledge to make a diagnosis of the admissibility of implementing a tourism Project..

Unit I will introduce the legal part of each and every one of the different types of Environmental Impacts (MIA).

Unit II will introduce the student to the basic concepts of evaluation of the environmental impact.

Unit IV describes the supplementary elements of an Environmental Impact Statement.

Unit IV introduces the programs related and linked to the legal provisions applicable in environmental matter, and if applicable, the use of land regulations.

Unit V describes the environmental systems and signs of the environmental problem identified in the influence area of the project in order to weigh the convenience thereof.

Unit VI introduces the indicators and criteria of the environmental impact, as well as the identification, description and evaluation of such environmental impact.

Unit VII describes the preventive actions and strategies for mitigating the possible impacts caused by implementing a tourism project in a certain area.

Unit VIII describes the methodological instruments and technical elements used in MIAs and each one of its processes.

**Purpose:**

The course is part of the professional core; it is given in the first five semesters, as an elective course. It is intended to provide students the instruments required to carry out a MIA for its real and practical appliance.

**General Objective:**

To develop a MIA using the primary and secondary information to create an environmental impact statement in order to determine the admissibility of a tourism Project..

**Specific Objectives:**

1. To know and analyze the legal framework.
2. To fully understand the basic concepts of developing a MIA
3. To prepare a MIA based and related to the legal environmental legal provisions applicable.
4. Set forth preventive actions to mitigate the environmental impact.

**Competency units:****Competency unit I. LEGAL FRAMEWORK**

1. General Law of Ecological Balance and Environmental Protection (LGEEPA)
2. Regulations of the Environmental Impact Evaluation (REIA)
3. Environmental Impact Statement (MIA)

**Competency unit II. BASIC CONCEPTS OF THE ENVIRONMENTAL IMPACT EVALUATION**

- a. Project description
- b. Breakdown of the Project or activity
- c. Description of the status of environment
  - a. Most significant elements of environment.

- d. Scope of the Environmental Impact study (IA)
- e. Identifying impacts
- f. Alternatives
- g. Identification of mitigation actions
- h. Evaluating residual impacts
- i. Surveillance and control plan

**Competency III. PREPARING AN ENVIRONMENTAL IMPACT STATEMENT**

- a. General data of the Project, proponent and the person responsible for the environmental impact study.
  - Description of the project.
    - Project
    - Project name
    - Project location
    - Shelf life of the project
    - Legal documentation
- b. Proponent
  - Name or company name
  - Federal Taxpayer Requisites of the proponent
  - Name and title of the legal representative
  - Address of the proponent
- b. Responsible for preparing the environmental impact study
  - Name and company name
  - RFC and CURP
  - Name of the technical responsible of the study
  - Address of the technical responsible of the study
  - Description of the project
  - General data of the project
  - Nature of the project
  - Site selection
  - Physical location of the Project and location drawings.
  - Investment required
- c. Dimensions of the Project
  - i. Total Surface of the land
  - ii. Affected area
  - iii. Area for permanent works
  - Current use of land and water for the Project and its metes and bounds
  - Area zoning and description of services required.
  - Others

**Competency unit IV. RELATION TO THE LEGAL PROVISIONS APPLICABLE IN ENVIRONMENTAL MATTER, AND IF ANY, THE REGULATIONS FOR THE USE OF LAND.**

- a. POET
- b. Plans and programs of state and municipal urban development.
- c. Land occupation ratio (COS) y Land use ratio
- d. Recovery programs
- e. Mexican official standards
- f. ANP Act.

**Competency unit V. DESCRIPTION OF THE ENVIRONMENTAL SYSTEM AND SIGNS OF ENVIRONMENTAL PROBLEMS**

## IDENTIFIED IN THE INFLUENCE AREAS OF THE PROJECT

- a. Environmental inventory
- b. Demarcation of the study area
- c. Identification and analysis of the environmental system
  - o Abiotic aspects
  - o Biotic aspects
  - o Landscape
  - o Socio-economic environment
  - o Environmental diagnosis

## Competency unit VI. IDENTIFICATION, DESCRIPTION Y EVALUATION OF THE ENVIORNMENTAL IMPACTS

- a. Impact indicators
- b. List of impact indicators – NOM – O81-ECOL-1994
- c. Evaluation criteria and methodology
- d. Justification of the methodology selected

## Competency unit VII. PREVENTIVE ACTIONS AND MITIFATION OF ENVIRONMENTAL IMPACTS, ENVIRONMENTAL FORECASTS

- a. Environmental impact mitigation programs or actions
- b. Residues
- c. Scenario forecasts
- d. Environmental surveillance programs
- e. Evaluation conclusions

## Competency unit VIII. IDENTIFICATION OF THE METHODOLOGICAL INSTRUMENTS AND TEHNICAL ELEMENTS

- a. Presentation formats
- b. Final drawings
- c. Photographs
- d. List of flora and wild life
- e. Software
- f. Exhibits

## Evaluation: general criteria for course accreditation:

- The course evaluation comprises the following concepts:

Attendance (at least 90% of the total classes)	
Participation	10%
Individual papers	30%
Final practicum (submitted the last week)	50%
Exams	10%

## Desirable academic qualifications of the course instructor:

Academic master degree or major of Regional Development or equivalent to the study field of the course, with proven two year minimum experience and professional development in areas similar to this course. A minimum two year higher education teaching experience.

Professional formation and/or degree in an equivalent area, teaching experience in these issues.

Verify the professor formation process requested by the Institution

Conduct an interdisciplinary approach.

Two year teaching experience

For the professor to be programmed and made responsible of teaching this course, he shall have full command of the topics described in the course description, in both English and Spanish.

Bibliography	Type (basic or supplementary)
Secretaría de Desarrollo Social. (1994). <i>Normas Oficiales Mexicanas en Materia de Protección Ambiental</i> . México. Gobierno Federal. SEDESOL. ISBN: 968-838-297-3	Basic
Secretaría del Medio Ambiente y Recursos Naturales. (2002). <i>Guía para la presentación de la manifestación de impacto ambiental del sector turístico</i> . México: Gobierno Federal. SEMARNAT. ISBN: 968-817-536-6	Basic
Drumm, A., Moore, A. (2002). Desarrollo del Ecoturismo. Introducción a la Planificación del Ecoturismo. USA. The nature conservancy. LAC/RSD. ISBN: 1-886765-15-4	Supplementary
Secretaría del Medio Ambiente y Recursos Naturales. (2006). <i>Requisitos y especificaciones de sustentabilidad del ecoturismo</i> . México (NMX-AA-133-SCFI-2006): Gobierno Federal. SEMARNAT.	Basic
Secretaría de Turismo. (1999). <i>Manual para la identificación, formulación y evaluación de empresas de turismo rural en México</i> . CESTUR –SECTUR. México. Gobierno Federal. SEMARNAT.	Supplementary
Roura, H., Cepeda, H. (1999-12) Manual de identificación de proyectos de turismo rural. CEPAL. Recuperado de <a href="http://hdl.handle.net/11362/5557">http://hdl.handle.net/11362/5557</a>	Supplementary

<b>Competency development</b>			
<b>Learning outcomes</b>	<b>Educational activities</b>	<b>Volume of student work in hours</b>	<b>Evaluation</b>
<b>WEEK 1</b>			
Know the legal framework	Presentation by the professor encouraging student participation.	3	Participation
<b>WEEK 2</b>			
Know the legal framework	Presentation by the professor encouraging student participation.	3	Participation
<b>WEEK 3</b>			
Know the legal framework	Presentation by the professor encouraging student participation.	3	Participation
<b>WEEK 4</b>			
Know the legal framework	Presentation by the professor and student research	3	Participation and presentation
<b>WEEK 5</b>			
Know the basic concepts of environmental impact evaluation.	Presentation by the professor and student research	5	Participation
<b>WEEK 6</b>			
Know the basic concepts of environmental impact evaluation.	Research and presentation by students	5	Participation
<b>WEEK 7</b>			
Know the basic concepts of environmental impact evaluation.	Presentation by the professor and student research	3	Participation
<b>SEMANA 8</b>			
Know and apply the basic concepts of environmental impact evaluation correctly.	Presentation by the professor and student research	3	Submission of research papers.
<b>WEEK 9</b>			
Know and fully understand the legal provisions applicable in environmental matter and regulations of the use of land in force.	Presentation by the professor encouraging student participation.	3	Participation
<b>WEEK 10</b>			
Know and fully understand the legal provisions applicable in environmental matter and regulations of the use of land in force.	Presentation by the professor and student research	3	Research work. Comparative table of legal provisions and framework.
Adequate use of the criteria of the legal provisions applicable in environmental matter and the regulations of the use of land in force.	Presentation by students	5	Research work. Comparative table of legal provisions and framework.
<b>WEEK 11</b>			
Able to identify and describe the environmental systems and to identify the possible impacts caused by the tourist area within the area.	Presentation by the professor. Presentation by teams formed by students.	3	Participation and presentation of the characteristics of the area, abiotic and biotic inventory of the Project area. Presentation of

			mapping of the site. Zoning in accordance with the inventory. Presentation of essay per work team.
<b>WEEK 12</b>			
Able to identify, describe and evaluate the possible environmental impacts caused by implementing the Project.	Presentation by the professor encouraging student participation.	3	Use of the list of impact indicators (NOM-081-ECOL-1994). Presentation of essay per work team
<b>WEEK 13</b>			
Able to identify, describe and evaluate the possible environmental impacts caused by implementing the Project	Presentation by teams formed by students	5	Use of the list of impact indicators (NOM-081-ECOL-1994). Presentation of essay per work team
<b>WEEK 14</b>			
Able to establish actions for the mitigation of environmental impact in the area where the Project is implemented.	Review and presentation of strategies by the professor.	3	Participation
Able to establish actions for the mitigation of environmental impact in the area where the Project is implemented	Review and presentation of strategies by the professor. Group discussion	3	Selection and defense of the strategy for mitigating the touristic project impact on their team. Per team.
<b>WEEK 15</b>			
Use different instruments, technical elements for loading the information and presentation of the MIA	Advisory and support of the professor (presentation format, drawings, photographs, lists, software, exhibits, others)	5	Submission of final practicum progress.
<b>WEEK 16</b>			
Use different instruments, technical elements for loading the information and presentation of the MIA	Advisory by the professor (presentation format, drawings, photographs, lists, software, exhibits, others)	10	Submission of the final Project.