<table>
<thead>
<tr>
<th>Course Title</th>
<th>Environmental Impact Assessment</th>
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<tbody>
<tr>
<td>Course Code</td>
<td>CEE 383</td>
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<tr>
<td>Course Type</td>
<td>Compulsory</td>
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<tr>
<td>Level</td>
<td>Undergraduate</td>
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<tr>
<td>Year / Semester</td>
<td>3rd year / Fall</td>
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<tr>
<td>Teacher’s Name</td>
<td>Fatta-Kassinos D.</td>
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<td>ECTS</td>
<td>5</td>
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<tr>
<td>Lectures / week</td>
<td>2x1.5hr</td>
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<tr>
<td>Laboratories / week</td>
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### Course Purpose and Objectives
Students should be able to:

* Understand the ecosystem structure and function (e.g. biogeochemical cycles)
* Know about major environmental problems (e.g. climate change, atmosphere, water and soil pollution etc.) on global and local scale, the reasons causing them and the main efforts for their solution.
* Know the Cypriot and European legislation related to Environmental Impact Assessment (EIA).
* Conduct an EIA after employing the necessary methods (e.g. mathematical modelling, Life Cycle Assessment) for estimating noise, atmospheric, water and other forms of pollution and according to the relative legislation.
* Compose the documents for EIA as required by the relative Cypriot and European legislation.

### Learning Outcomes
Students will gain knowledge about:

* Concepts and definitions (e.g. environment, natural resources, ecological balance, pollution, physical - chemical and biological processes, sustainability / sustainable development, protected areas, Nature 2000 etc.).
* Fate of inorganic and organic pollutants in the environment (dispersion, bioaccumulation, etc.).
* Effects of various man-made productive activities on the environment (soil and water resources, atmosphere, bio-community, ecosystems).
* Greater environmental problems.
* Global strategies to mitigate problems.
* Legislative framework: European and Cypriot legislation on environmental impacts.
* Categories of projects and activities requiring an environmental impact assessment.
* Environmental impact assessment of certain projects.
* Impact assessment of projects and / or programs (strategic planning).
<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>N/A</th>
<th>Required</th>
<th>N/A</th>
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</table>
| Course Content     | * Evaluation of studies.  
* Cost of the environmental impact assessment projects. |
|                    | * Environmental Impact Assessment from construction and other human activities.  
* Cypriot and European legislation.  
* Methodology for impact assessment in human and ecosystem health (e.g. atmosphere, soil, water, flora and fauna).  
* Study of EIAs related to construction, energy plans, industry etc. |
| Teaching Methodology| Lectures (3 hours per week) |
| Bibliography        | Required Reading:  
* Notes and written material prepared by the lecturer are provided to the students  
Recommended Reading:  
* N. 127(I)/2018, Assessment of the Impacts on the Environment from Plans and Programmes  
* Law 2014/52/EE  
* Examples of Projects from the Department of Environment webpage: http://www.moa.gov.cy  
| Assessment          | * Final Exam,  
* Assignments,  
* Final assignment,  
* Oral presentation of the assignment |
| Language            | Greek |