<table>
<thead>
<tr>
<th>SCHOOL</th>
<th>SCHOOL OF ENGINEERING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACADEMIC UNIT</td>
<td>DEPARTMENT OF CIVIL ENGINEERING</td>
</tr>
<tr>
<td>LEVEL OF STUDIES</td>
<td>POST GRADUATE</td>
</tr>
<tr>
<td>COURSE CODE</td>
<td>CE7013</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>SPRING (4th)</td>
</tr>
<tr>
<td>COURSE TITLE</td>
<td>Estimating, Tendering and Procurement</td>
</tr>
</tbody>
</table>

**INDEPENDENT TEACHING ACTIVITIES**

If credits are awarded for separate components of the course, e.g., lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits.

<table>
<thead>
<tr>
<th>WEEKLY TEACHING HOURS</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>Lectures</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>6 (total)</td>
</tr>
</tbody>
</table>

Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).

**COURSE TYPE**

- Specialised Knowledge, skills development

**LANGUAGE OF INSTRUCTION AND EXAMINATIONS:**

- English (official)

**COURSE WEBSITE (URL):**

http://civilmsc.teipir.gr/phpbb/viewforum.php?f=29&sid=084664a8abe5a7f4b5f5f981a9efd93b
Learning outcomes
The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A
- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

On successful completion of the module, students will be able to:

- Understand the role of the client in the procurement process
- Recommend the appropriate forms of procurement strategy for different types of projects
- Critically analyse in the tendering and estimating process from both client and contractor perspectives and the importance of using tender evaluation techniques
- Produce and use information for controlling and reporting on costs during design development and during construction
- Use best practice methods for the selection and appointment of consultants and contractors
- Evaluate the process of converting an estimate into a tender bid submission

General Competences
Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology,
Adapting to new situations,
Decision-making,
Working independently,
Team work,
Working in an international environment,
Working in an interdisciplinary environment,
Production of new research ideas,
Project planning and management,
Respect for difference and multiculturalism,
Respect for the natural environment,
Showing social, professional and ethical responsibility and sensitivity to gender issues,
Criticism and self-criticism,
Production of free, creative and inductive thinking,
Others...

Search for, analysis and synthesis of data and information, with the use of the necessary technology,
Adapting to new situations,
Decision-making,
Working independently,
Project planning and management,
Production of free, creative and inductive thinking.

SYLLABUS

This level 7 module concentrates on the way the construction product is priced and paid for and gives an understanding of the roles that the client/employer, the main contractors’, and the professional service consultants have in relation to the procurement of construction works. It examines the processes undertaken at senior management level in terms of the estimating and tendering decisions that need to be taken by contractors’ during the bidding process. It analyses in detail the strategic decision making rationale that needs to be undertaken in making a decision to tender a bid and the process of turning an estimate into a tender submission.
(1) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY
Face-to-face, Distance learning, etc.

Lectures and group working sessions

USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
Use of ICT in teaching, laboratory education, communication with students

Guest lectures will be given by Professionals currently working in industry on specialist subject areas.

TEACHING METHODS
The manner and methods of teaching are described in detail.

Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS

<table>
<thead>
<tr>
<th>Activity</th>
<th>Semester workload</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>60</td>
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<tr>
<td>study</td>
<td>240</td>
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<td></td>
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<tr>
<td>Course total</td>
<td>300</td>
</tr>
</tbody>
</table>

STUDENT PERFORMANCE EVALUATION
Description of the evaluation procedure

Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.

Summative assessment is through individual courseworks (50%), and an end of semester examination (50%).

(2) ATTACHED BIBLIOGRAPHY

Core texts:

Recommended reading: