

COURSE OUTLINE

1. GENERAL INFORMATION

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| FACULTY/SCHOOL | School of Plant Sciences | | |
| DEPARTMENT | Department of Crop Science | | |
| LEVEL OF STUDY | Postgraduate | | |
| COURSE UNIT CODE | 120109 | Semester: | S-1 |
| COURSE TITLE | Landscape Representation | | |
| INDEPENDENT TEACHING ACTIVITIES <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits</i> | WEEKLY TEACHING HOURS | ECTS | |
| Lectures and Design Tutorials | 2 | 2 | |
| <i>Add rows if necessary. The organization of teaching and the teaching methods used are described in detail under section 4</i> | | | |
| COURSE TYPE <i>Background knowledge, Scientific expertise, General Knowledge, Skills Development</i> | Scientific expertise | | |
| PREREQUISITE COURSES: | | | |
| LANGUAGE OF INSTRUCTION: | Greek | | |
| THE COURSE IS OFFERED TO ERASMUS STUDENTS | No | | |
| COURSE WEBSITE (URL) | | | |

2. LEARNING OUTCOMES

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| <p>Learning Outcomes The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:</p> <p>APPENDIX A</p> <ul style="list-style-type: none"> • Description of the level of learning outcomes for each level of study, in accordance with the European Higher Education Qualifications' Framework. • Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and <p>APPENDIX B</p> <ul style="list-style-type: none"> • Guidelines for writing Learning Outcomes <p>Upon completion of the course, the student will acquire specialized knowledge in the use of various specialized software for three-dimensional visualization of design solutions, which they will be able to apply to produce and compose individually three-dimensional representations. The ultimate goal of the course is for students to understand the capabilities of each software and evaluate how to utilize them individually or in combination so that they can successfully meet the requirements they will face in their careers in creating and composing accurate, eligible, and aesthetically pleasing representations of design proposals at a professional level. The student will be able to:</p> <ul style="list-style-type: none"> • understand the use of specialized software for three-dimensional visualization of design solutions in landscape architecture and comprehend their function and utilization, |
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- create symbols, textures, annotations,
- design various types of three-dimensional landscape architecture proposals (sections, elevations, perspectives, axonometrics, etc.) and scaled and non-scaled plans using specialized software or a combination of software,
- compose scaled plans and three-dimensional representations of design proposals at scale,
- organize the composition of various types of scaled drawings suitable for presentation.

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

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| <i>Search for, analysis and synthesis of data and information by the use of appropriate technologies,</i> | <i>Project planning and management</i> |
| <i>Adapting to new situations</i> | <i>Respect for diversity and multiculturalism</i> |
| <i>Decision-making</i> | <i>Environmental awareness</i> |
| <i>Individual/Independent work</i> | <i>Social, professional and ethical responsibility and sensitivity to gender issues</i> |
| <i>Group/Team work</i> | <i>Critical thinking</i> |
| <i>Working in an international environment</i> | <i>Development of free, creative and inductive thinking</i> |
| <i>Working in an interdisciplinary environment</i> | <i>.....</i> |
| <i>Introduction of innovative research</i> | <i>(Other.....citizenship, spiritual freedom, social awareness, altruism etc.)</i> |
| | <i>.....</i> |

Search for, analysis and synthesis of data and information by the use of appropriate technologies
 Adapting to new situations
 Decision-making
 Individual/Independent work
 Group/Team work
 Working in an interdisciplinary environment
 Introduction of innovative research
 Project planning and management
 Respect for diversity and multiculturalism
 Environmental awareness
 Critical thinking
 Development of free, creative and inductive thinking

3. COURSE CONTENT

The analysis of methodologies and techniques for presenting, visualizing, and expressively rendering design proposals using various representational means and modern Landscape Architecture design tools: sketch, drawing, maps, diagrams, photographs, text, model, collage, relationship diagrams, material images, and texture design proposals, processed photos. Presentation of applications and major software commands (Photoshop, 3D Studio Max, Google SketchUp) specialized in processing and illustrating design proposals. In-depth exploration of perspective and visual perception of outdoor space with the development of specific topics, relief terrain, and presentation models, principles of perspective drawing, and its combination with photography, integration of perspective drawing into photography, and presentations of poster boards for architectural competitions.

4. TEACHING METHODS--ASSESSMENT

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| <p>MODES OF DELIVERY <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i></p> | <p>The teaching of the coursetakes place in-person, in a well-equipped classroom/studio, complete with the necessary audiovisual equipment for conducting lectures and presentations, as well as drafting tables and computers. These computers have suitable design software installed to assist in teaching the course. Additionally, teaching can also be conducted remotely through video conferencing.</p> |
| <p>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in teaching, Laboratory Education, Communication with students</i></p> | <p>Slide Presentations in PowerPoint format are used for teaching purposes. Video projection. Use of appropriate design software (such as AutoCAD, 3D Studio Max, Google SketchUp, Rhinoceros 3D, etc.). Use of suitable image editing and presentation creation software</p> |

| | <p>(such as Adobe Photoshop, CorelDRAW, etc.). Communication with students is facilitated through email. The learning process is supported through the digital platform Microsoft Teams. Access to online databases is provided for research purposes.</p> | | | | | | | | | | | |
|---|--|--|------------------|-------------------|------------|----------|------------------|---------|------------------------|----------|--|-----------------|
| <p>COURSE DESIGN <i>Description of teaching techniques, practices and methods:</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc.</i></p> <p><i>The study hours for each learning activity as well as the hours of self-directed study are given following the principles of the ECTS.</i></p> | <table border="1"> <thead> <tr> <th data-bbox="719 405 1074 456">Activity/ Method</th> <th data-bbox="1074 405 1433 456">Semester workload</th> </tr> </thead> <tbody> <tr> <td data-bbox="719 456 1074 508">7 Lectures</td> <td data-bbox="1074 456 1433 508">14 hours</td> </tr> <tr> <td data-bbox="719 508 1074 560">Design tutorials</td> <td data-bbox="1074 508 1433 560">6 hours</td> </tr> <tr> <td data-bbox="719 560 1074 658">Individual design work</td> <td data-bbox="1074 560 1433 658">30 hours</td> </tr> <tr> <td data-bbox="719 658 1074 757">Total of Course (25 hours of workload per ECTS)</td> <td data-bbox="1074 658 1433 757">50 hours</td> </tr> </tbody> </table> | | Activity/ Method | Semester workload | 7 Lectures | 14 hours | Design tutorials | 6 hours | Individual design work | 30 hours | Total of Course (25 hours of workload per ECTS) | 50 hours |
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| Total of Course (25 hours of workload per ECTS) | 50 hours | | | | | | | | | | | |
| <p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS <i>Detailed description of the evaluation procedures:</i></p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students.</i></p> | <p>The evaluation language is Greek (and English if required). The assessment is done through the creation of presentations. The grade is determined by the accuracy, clarity, and aesthetics of the presentations using various methodologies, techniques, and software.</p> | | | | | | | | | | | |

5. SUGGESTED BIBLIOGRAPHY:

- *Suggested Bibliography:*
 William, G., Wyatt, Ed.D. 2023. Autodesk AutoCAD Certified User Study Guide AutoCAD 2024 Edition. SDC Publications. Mission, KS, USA.

- *Related open-source software:*

- <https://www.autodesk.com/support/account/education/onboarding/students-guide>