

COURSE OUTLINE

1. GENERAL INFORMATION

FACULTY/SCHOOL	School of Plant Sciences		
DEPARTMENT	Department of Crop Science		
LEVEL OF STUDY	Postgraduate		
COURSE UNIT CODE	120114	Semester:	W-2
COURSE TITLE	Landscape Management		
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	3	4	
<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

<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>The goal is for students to acquire specific knowledge of landscape management and management plan development. Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • define the concept of landscape management, • assess the actions and procedures that should be included in landscape management, • calculate the maintenance needs of a given urban green area, • develop a landscape management study, • organize a comprehensive landscape management schedule,

- reorganize an inadequate landscape management plan,
- support landscape management plans for public authorities,
- evaluate management problems in green spaces and prioritize maintenance tasks.

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?

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

Search for, analysis and synthesis of data and information by the use of appropriate technologies
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 Development of free, creative and inductive thinking

3. COURSE CONTENT

Landscape management and preparation of landscape management plans. Importance and content of landscape management plans. Analysis of principles and methodologies for landscape management. Interrelation between design, material selection, implementation methods, and maintenance costs. Criteria for selecting and specifications for plant material. Development of techniques and methods for the establishment and management of green spaces in urban areas (parks, squares, tree lines, pedestrian walkways, green roofs, islands, meadows) and archaeological sites. Risk assessment of large trees, methodologies for assessing the phytopathological condition of trees, pruning and climbing techniques, and transplantation of large trees. Rational management of water resources and an approach to sustainable landscape management. Main pests (insects, mites, nematodes, rodents) and diseases of ornamental plants and lawns in green spaces. Description of symptoms, etiology, biology, and ecology of pests and pathogens, as well as epidemiology and modern methods of control. Important weed species in anthropogenic environments, archaeological sites, lawns, aquatic environments. Biology, ecology, and adaptability. Invasive plant species. Implementation of the "early detection and rapid response for invasive species" system. Regulations and rules for plant protection. Sustainable weed management, prevention of entry, direct elimination and control, and the use of natural and mechanical means for their treatment. Precision applications of herbicides.

4. TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY

Face-to-face, in-class lecturing, distance teaching and distance learning etc.

The teaching of the course takes place in-person, in a well-equipped classroom or studio, complete with the necessary audiovisual equipment for conducting lectures and presentations. Additionally, teaching can also be conducted remotely through video conferencing.

<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. 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: 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="719 423 1075 472">Activity/ Method</th> <th data-bbox="1080 423 1433 472">Semester workload</th> </tr> </thead> <tbody> <tr> <td data-bbox="719 479 1075 521">10 Lectures</td> <td data-bbox="1080 479 1433 521">30 hours</td> </tr> <tr> <td data-bbox="719 528 1075 689">Tutorials of landscape management plans within the studio under the supervision and collaboration with the supervising professors</td> <td data-bbox="1080 528 1433 689">3 hours</td> </tr> <tr> <td data-bbox="719 696 1075 786">Field Exercises</td> <td data-bbox="1080 696 1433 786">3 hours</td> </tr> <tr> <td data-bbox="719 792 1075 882">Individual and group assignments at home</td> <td data-bbox="1080 792 1433 882">20 hours</td> </tr> <tr> <td data-bbox="719 889 1075 987">Independent Study</td> <td data-bbox="1080 889 1433 987">44 hours</td> </tr> <tr> <td data-bbox="719 994 1075 1093">Total of Course (25 hours of workload per ECTS)</td> <td data-bbox="1080 994 1433 1093">100 hours</td> </tr> </tbody> </table>		Activity/ Method	Semester workload	10 Lectures	30 hours	Tutorials of landscape management plans within the studio under the supervision and collaboration with the supervising professors	3 hours	Field Exercises	3 hours	Individual and group assignments at home	20 hours	Independent Study	44 hours	Total of Course (25 hours of workload per ECTS)	100 hours
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<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 based on exams and the preparation of a management study. The grade is derived from the submission of work related to at-home assignments. The evaluation criteria focus on accuracy, clarity, and aesthetic presentation of the assignments..</p>															

5. SUGGESTED BIBLIOGRAPHY:

<p>- <i>Suggested Bibliography:</i> Brown, S. (2012). Applying a cultural landscape approach in park management: An Australian scheme. <i>Parks</i>, 18.1 Fielden, B.M., Jokilehto, J. (1993). <i>Management guidelines for World Heritage Sites</i>. ICCROM: Rome, pp.18. Koltsiou A., Paraskevopoulou A., 2021. Landscape character assessment, perception surveys of stakeholders and SWOT analysis: a holistic approach to historical public park management. <i>Journal of Tourism and Outdoor Recreation</i>. 35, 1-17. https://doi.org/10.1016/j.jort.2021.100418 Koltsiou A., Athanasiadou E., Paraskevopoulou A., 2021. Agricultural Heritage Landscapes of Greece: three case studies and strategic steps towards their acknowledgement, conservation and management. Sustainability Special Issue - "Exploring Agricultural Heritage in European and Mediterranean Countries". <i>Sustainability</i> 2021, 13(11), 5955;</p>
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<https://doi.org/10.3390/su13115955>.

MET (2011). *Framework and Guidelines for Development of Park Management Plans*. Republic of Namibia. Ministry of Environment and Touris: Namibia.

Mitchell N., Rossler, M., Tricaud P.M. (2009). *World Heritage Cultural Landscapes. A handbook for Conservation and Management*. World Heritage Centre, UNESCO.

Ontario Parks (2009). *Park management plan*. Queen's Printer for Ontario: Canada. Canada http://www.ontarioparks.com/english/dupo_planning.html

Paraskevopoulou, A., Klados, A., Malesios, C. (2020). Historic public parks: Investigating contemporary visitor needs. *Sustainability*, 12, 9976; DOI: 3390/su12239976

Takyi S.A., Seidel. A.D. (2017). Adaptive management in sustainable park planning and management: a case study of the city of Vancouver Parks. *Journal of Urban Ecology*, 1-15. Doi: 10.1093/jue/juw009

- *Related Scientific Journals:*

- Landscape (Landscape Institute, UK)
- Landscape Architecture Magazine (ASLA)
- Topos Magazine,
- Garten + Landschaft
- Journal of LandscapeArchitecture (JoLA)
- Landezine (Landscape Architecture Platform)
- Landscape Australia
- Land