

MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	Research Methods & Thesis Writing
Course Code	A.Y.4
Level of Studies	Undergraduate Studies
Teaching Period	Winter
Attendance Type	Compulsory
Prerequisites	Not applied

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
Landscape Architecture & Restoration	2	2	1	1	6

Faculty Instructor

Dr. Antonios N. Papadopoulos

Type of Module

- General Foundation
- Specific Foundation / Core
- Knowledge Deepening / Consolidation

Mode of Delivery

- Face to face
- Distance learning

Digital Module availability

- E-Study Guide
- Departments Website
- E-Learning

Language

	Teaching	Examination
Greek	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

English	<input type="checkbox"/>	<input type="checkbox"/>
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Erasmus

- The course is not offered to exchange programme students

Learning Outcomes

The primary aim of this module is to introduce students to the research process and to enhance their capacity to conduct independent research for their dissertations. A secondary aim is to consider the implications and communication of their research to various audiences. The learning outcomes are as follows:

- Demonstrate an understanding of the logic underpinning the scientific method
- Demonstrate the skills to devise, plan and conduct an appropriate experiment or investigation on an aspect related to planning and managing urban green spaces, suitable for a dissertation and also for scientific and non-scientific audiences.
- Demonstrate the ability to convey the results of a scientific study to both scientist and non-scientist audiences.

List of General Competences

- Apply knowledge in practice
- Work autonomously
- Work in teams
- Work in an international context
- Work in an interdisciplinary team
- Respect natural environment
- Advance free, creative and causative thinking

Module Content (Syllabus)

Introduction to the research process, collection, entering and analysis of data in small scale projects; consideration of different kinds of research suitable for B.Sc. dissertations, specific techniques used in research, assessment of ethics and risk in research, communicating the findings from research, research and policy.

Educational Material Types

- Book
- Notes
- Slide presentations
- Video lectures
- Multimedia
- Interactive exercises

Other:

Use of Information and Communication Technologies

- Use of ICT in Course Teaching
- Use of ICT in Laboratory Teaching
- Use of ICT in Communication with Students
- Use of ICT in Student Assessment

Module Organization

Course Activity	Workload (hours)
Lectures	25
Laboratory work	25
Field Trip/Short Individual Assignments	0
Independent Study	100
Total	150

Student Assessment Methods

- Written Exam with Multiple Choice Questions
- Written Exam with Short Answer Questions
- Written Exam with Extended Answer Questions
- Written Assignment
- Report
- Oral Exams
- Laboratory Assignment

Suggested Bibliography (Eudoxus and additional bibliography)

1. Coakes, S., Steed L., Price J. (2008) SPSS 15.0 Analysis without Anguish. Wiley
2. Golden-Biddle, K, & Locke, K (1997). *Composing Qualitative Research*. Thousand Oaks, CA: Sage.
3. Green, B. N., Johnson, C. D., & Adams, A. (2006). Writing narrative literature reviews for peer-reviewed journals: Secrets of the trade. *Journal of Chiropractic Medicine*, 5(3), 101-117.
4. Mauch, J. E., & Birch, J. W. (1993). *Guide to the successful thesis and dissertation : A handbook for students and faculty* (3rd , rev. and expand ed.). New York: Marcel Dekker.
5. University of Wisconsin. (2006). *UW-madison writing center writer's handbook*. Retrieved 12/10/2012 from <http://www.wisc.edu/writing/handbook>
6. Ryan, B. Scapens, R. Theibald, M. (2000). *Research method and methodology in finance and accounting*. Academic Press.

7. Alley, M. (1998). *The Craft of Scientific Writing*. Springer.