COURSE OUTCOME

ΔΠΕ981 - Research Methodology

1. GENERAL

SCHOOL	TECHNOLOGY		
DEPARTMENT	Department of Forestry, Wood Sciences and Design (FWSD)		
LEVEL	*Undergraduate*		
CODE	ΔΠΕ981	**STUDENT SEMESTER**	9th
COURSE TITLE	RESEARCH METHODOLOGY		

ACTIVITIES	**WEEKLY HOURS**	**ECTS**
Lectures and Workshops	3	6

Type of course	Scientific
PREREQIISITES:	none
LANGUAGE TEACHING AND EXAMINATION:	Greek
THE COURSE OFFERED TO STUDENTS ERASMUS	yes
WEBPAGES COURSE (URL)	

2. LEARNING OUTCOMES

Learning Outcomes

The course covers all the conceptual and methodological issues that go into successful conduction of research. Upon successful completion of the course, students will be able to:

- Choose a research subject
- Search for the appropriate bibliographic sources on the internet, databases, libraries
- Formulate the research questions
- Select and use the appropriate methods of data collection and analysis,
- Cite the bibliographic sources in a proper way
- Use the most suitable research tools (questionnaires, experiments, case studies, interviews, etc.)
- Conduct statistical analyses
- Prepare a well-written essay, thesis or dissertation
- Avoid plagiarism.

General Skills

- Search, analysis and synthesis of data and information, using the necessary tools
- Adapting to new situations

- Decision-making
- Autonomous Work
- Demonstration of social, professional and ethical responsibility
- Criticism and self-criticism
- Promoting free, creative and inductive thinking

3. COURSE CONTENT

The course focuses on issues related to:

- What does research work mean and what is its structure?
- What is the contribution of a scientific paper to international research
- Literature review methodologies,
- The use of primary and secondary sources,
- Libraries and the Internet,
- The structure and organization of a scientific article or a paper
- References and bibliography,
- The writing of the theory from the bibliographic review of the subject of the work,
- The design of a survey,
- Research methods,
- Qualitative and quantitative research,
- Data analysis,
- The presentation of a scientific paper,
- The submission of a scientific paper.

The exercises of the course take place one (1) hour per week. Attendance by students is mandatory by at least 50%. Exercises are theory practice to maximize theoretical knowledge; steps of contacting a complete research are provided starting with literature review, the formulation of the research questions, the compilation of electronic questionnaires, the use of the SPSS statistical package, the analysis of the results, the writing of the work and its presentation to the public.
The aim of the exercises is for the student to maximize the knowledge gained from the theoretical part, with practical training and the development of constructive dialogue, resolution of questions and concerns, as well as the acquisition of conscious knowledge and application of basic knowledge and application of basic principles of the subject of research methodology.
From the 1st week of courses, students are given either a list of topics related to the syllabus of the course and are asked to prepare and essay or discuss a case study. Directions, rich material and instructions are posted in the e-class portal.
The final assignment of the course includes, the essay, a public oral presentation on the selected topic, on a fixed date (usually the 12th week of lessons). The presentation lasts 10 minutes per person with 5' for questions. The teacher intervenes – if necessary – for commentary, observations, corrections. The grade of the homework counts for 20% of the final grade of the course. 80% comes from the exams at the end of semester.

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD	Face to face The course is organized in two parallel streams: 1. Lectures, which analyze the concepts and methodologies that form the core of the course material 2. Workshops (studios), where students: get acquainted with methods and tools of creative thinking and analysis, synthesis of ideas and presentation skills

<table>
<tr><td>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</td><td>• PC, ppt, projector
• Use of a course website on the e-class platform for posting (a) notes, (b) internet links, (c) announcements, search tools and social networks
• MSTEAMS platform</td></tr>
<tr><td>MANAGEMENT OF TEACHING</td><td><table>
<tr><th>Activity</th><th>Semester Workload</th></tr>
<tr><td>Lectures</td><td>26</td></tr>
<tr><td>Workshops on research methodology issues</td><td>13</td></tr>
<tr><td>term assignment (team or individual)</td><td>20</td></tr>
<tr><td>Short essays and case studies</td><td>20</td></tr>
<tr><td>Individual and work study</td><td>71</td></tr>
<tr><td>Σύνολο Μαθήματος (25 ώρες φόρτου εργασίας ανά πιστωτική μονάδα)</td><td>150</td></tr>
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<tr><td>STUDENT EVALUATION</td><td>I. Written final exam (80%) including:
- Short-answered questions
- exercises related to the subject of the course
II. Presentation of the term assignment (20%)</td></tr>
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5. RECOMMENDED-BIBLIOGRAPHY

- Saunders M., Lewis Ph., Thornhill, A. (2019). Μέθοδοι έρευνας στις επιχειρήσεις και την Οικονομία. Εκδόσεις ΔΙΣΙΓΜΑ
- Τσιώλης Γ. (2014), Μεθοδολογία και τεχνικές ανάλυσης στην ποιοτική κοινωνική έρευνα, Κριτική.
- Μάντζαρης Ιωάννης (2012) Επιστημονική Έρευνα, Αυτοέκδοση.
- Babbie E. (2011), Εισαγωγή στην κοινωνική έρευνα, Κριτική.
- Μπουρλιάσκος Β. (2010) Πως Γράφεται μια Επιστημονική Εργασία: Συγγραφή
- Δημητρόπουλος Ευστάθιος (2009) Εισαγωγή στη Μεθοδολογία της Επιστημονικής Έρευνας: Προς ένα συστημικό δυναμικό μοντέλο μεθοδολογίας επιστημονικής έρευνας, Εκδόσεις Ελλην.
- Ιωσηφίδης Θ. (2008), Ανάλυση ποιοτικών δεδομένων στις κοινωνικές επιστήμες. Κριτική.
- Bell Judith (2007) Πώς να συντάξετε μια επιστημονική εργασία: Οδηγός Ερευνητικής Μεθοδολογίας, Μεταίχμιο.
- Ζαφειρόπουλος Κώστας (2005) Πως γίνεται μια επιστημονική εργασία, Εκδόσεις Κριτική
- Mason J., (2003). Η διεξαγωγή της ποιοτικής έρευνας. Ελληνικά Γράμματα.