



University of Nicosia, Cyprus

Course Code BIOL-492	Course Title Research Project II	ECTS 10
Department Life and Health Sciences	Semester Spring	Prerequisites BIOL-491 Research Project I
Type of Course Required	Field Biology	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 4 th	Lecturer Dr. Demoliou Catherine + Assigned supervisor
Mode of Delivery Research Project	Work Placement N/A	Co-requisites None

Objectives of the Course:

This is the second part of the “Research Project” course and intends to guide students to the practices of research using the knowledge and subject specific skill gained in the first part (BIOL-491 Research Project I). The main objectives of the course are to:

- Give students the opportunity to carry out an independent research project
- Enable student to collect, report and interpret experimental data
- Enable students to communicate in writing and to defend orally their findings in a scientific manner.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Demonstrate the procedures and practices of scientific research.
2. Apply skills to do literature search and evaluate published scientific findings.
3. Formulate a hypothesis and compare published specific research approaches and methodologies to design experiments and test the research hypothesis.
4. Plan and carry out independently experimental techniques/procedures.
5. Measure and record experimental data, appraise, critically evaluate and interpret experimental results and evaluate these on the basis of published literature.
6. Write and orally communicate and debate the outcome of the research project in a scientific and professional manner.
7. Apply moral and ethical issues in research contact and research reporting.

Course Contents:

Project Research:

Upon approval of the proposal during the first part of the course (BIOL-491 Research Project I), the student is expected to begin the execution of his/her project as early as possible and no later than the beginning of the term, with a completion date the last week of the term. The execution of the research project will require a more independent nature of work that is based on student responsibility and initiative and on discussions with the assigned supervisor.

Learning Activities and Teaching Methods:

Independent laboratory or field research on assigned project; Literature searches. One-to-one discussions and review of results and progress made with assigned supervisor. Writing of a final research report.

Assessment Methods:

For award of credits the student is required to submit, a final research report and to orally present his/her research project. The research report should detail the research conducted by the student and will be judged by the soundness of the research procedure followed, and the thoroughness and clarity of thought evident in analyzing and critically evaluating the project results. It should be written in the style of a major scientific journal in the area, following the specified guidelines provided. The student will present and orally defend his research project to a Committee.

1. Independent Research on assigned Project (50%)
2. Final Research Report (30%)
3. Oral presentation (20%)

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
1 WC Booth, JM Williams, GG Colomb	The Craft of Research	University Of Chicago Press	2003, 2 nd ed.	ISBN: 0226065685

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
1. JW Creswell	Research Design: Qualitative, Quantitative, and Mixed Methods Approaches	Sage Publications	2002, 2 nd ed.	0761924426
2. KL Turabian, WG Booth, GG Colomb, JM Williams	A Manual for Writers of Research Papers, Theses, and Dissertations	University Of Chicago Press	2007, 7 th ed.	022682337 7

