



Course Syllabus

Course Code BISC-594H	Course Title Thesis II – Hematology	ECTS Credits 22.5
Prerequisites BISC-593H	Department Life Sciences	Semester Fall/Spring
Type of Course Concentration Hematology	Field Biomedical Sciences	Language of Instruction English
Level of Course 2 nd Cycle	Lecturer(s) Dr. Christos Papanephytou Dr. Vicky Nicolaidou & Assigned Supervisor	Year of Study 2 nd
Mode of Delivery Face to face	Work Placement N/A	Co-requisites None

Course Objectives:

The main objectives of the course are for the students to be able to:

- Design and carry out an independent research project
- Critically review relevant literature
- Develop a research hypothesis/question, aims, and objectives
- Collect, analyze, and interpret quantitative and/or qualitative data
- Communicate their findings in writing
- Defend their results orally 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 search the literature and evaluate published scientific findings.
3. Formulate a research hypothesis/question and compare published specific research approaches and methodologies to design experiments and test the research hypothesis.
4. Formulate aims and objectives relevant to their project and manageable within the time and resource limits available.
5. Plan and carry out independent research.
6. Measure and record data (quantitative and/or qualitative), appraise, critically evaluate and

- interpret results and evaluate these based on published literature.
7. Write and orally communicate and debate the outcome of the research project in a scientific and professional manner.
 8. Apply moral and ethical issues in research contact and research reporting.

Course Content:

Upon approval of the proposal during the first part of the course (BISC-593 I/H Project I), the student is expected to begin the execution of their project as early as possible and no later than the beginning of the term, with a completion date of the last week of the term. The execution of the research project will require a more independent nature of work based on student responsibility and initiative and on discussions with the assigned supervisor.

Learning Activities and Teaching Methods:

Independent laboratory or field research on an assigned project; Literature searches. One-to-one discussions and reviews of results and progress made with an assigned supervisor. Writing of a final research report. Frequently progress and support meetings with the course lead

Assessment Methods:

Written thesis, Thesis Presentation

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Literature relevant to the Thesis topic (as guided by the supervisor)				

Recommended Textbooks/Reading:

Title	Author	Publisher	Year	ISBN
Introduction to research methods: a practical guide for anyone undertaking a research project	Catherine Dawson	Robinson	2019	9781408711040 (ebook) 9781408711057 (paperback)
A Survival Guide for Health Research Methods	Tracy Ross	McGraw-Hill Education	2012	Available from: ProQuest Ebook Central
Exploring Research	Neil Salkind	Pearson	2018	1292156309 (ebook) 9781292156309 (ebook)
Cite It Right: The SourceAid Guide to Citation, Research, and Avoiding Plagiarism (Paperback)	Julia Johns, Sarah Keller	SourceAid, LLC;	2nd edition (September 1, 2005)	ISBN: 0977195708
Or the latest edition of the above-mentioned books. Updated scientific articles (primary and secondary) based on the project				