

COURSE SYLLABUS FORM

American University of Beirut

Faculty of Arts and Sciences

DepartmentBIOLOGY...

Course Number and Title: Biol 390G (Special Topics in Biology)

Neural-immune –endocrine interactions

1. Course Learning Outcomes

The main emphasis of this course is the study of the interactions between the nervous, endocrine and the immune systems. The role of the various biologically important molecules that play an important role in the bi-directional communication between those three systems and their physiological and pharmacological actions.

By choosing this graduate course students will be exposed to independent and critical work, which will form the basis for a sound training in research.

2. Resources Available to Students

There will be no set book for this course; students will rely mainly on journals related to this area of study, both in the library and the Internet.

3. Grading Criteria

These will be based on the oral presentations given by students throughout the semester and a final dissertation, on a topic chosen and written by each student.

4. Schedule

There will be series of lectures given by the instructor, to introduce students to the topic and acquaint them with subjects that are of current interest in the field of the interactions between the immune, endocrine and the nervous systems and the consequences of such interactions in normal physiology and pathophysiology.

Following these introductory lectures, students will embark on their own individual research and continuous presentations and seminars scheduled weekly.