MARB - MARINE BIOLOGY

MARB 610 Professional Development
Credits 3. 3 Lecture Hours. Course will cover topics including proposal
and manuscript development, the peer review process, proposal writing
and speaking exercises, preparing oral and poster presentations,
developing questions for quizzes and midterms, and library database
management. Class discussions will include constructive critiques of
participants’ experimental designs, analytical approaches and scientific
writing. Prerequisite: Graduate classification or approval of instructor.

MARB 618 Marine Science of the Pacific
Rim
Credits 3. 3 Lecture Hours. Course intended for students interested in
conducting research on the marine biology or fisheries of the Pacific Rim
countries; tailored to specific interests of individual students; course
involves directed readings, participation in the student's research project,
discussions with the instructor, and final report for possible publication.
Prerequisite: Graduate status or approval of instructor.

MARB 640 Ecosystem Functions in Marine
Environments
Credits 3. 3 Lecture Hours. Advanced study of ecological processes
in marine environments, with an emphasis on the investigation of the
interactions between organisms and physical processes that regulate
marine ecosystem functions. Prerequisite: Graduate standing.

MARB 668 Marine Evolutionary Biology
Credits 3. 3 Lecture Hours. Lecture, readings, and discussions on
advanced evolutionary topics including history of evolutionary thought,
organic evolution, evolutionary methods, and modern applications to
organismal evolutionary questions. Students will lead and participate in
journal club style discussion of selected recent literature. Prerequisite:
Graduate standing.

MARB 669 Adaptations in Extreme
Environments
Credits 3. 3 Lecture Hours. Key metabolic and physiological
innovations of extremophile organisms; topics include the molecular
biology, biochemistry and physiology of organisms living in extreme
environments. Prerequisites: Graduate classification or approval of
instructor.

MARB 681 Seminar in Marine Biology
Credit 1. 1 Lecture Hour. Detailed reports on specific topics within the
field of marine biology. Students may register in no more than two
sections of this course in a given semester. Prerequisite: Graduate
Standing.

MARB 684 Professional Internship
Credits 1 to 9. 1 to 9 Other Hours. On the job training in the field of marine
biology. Prerequisites: Graduate standing; approval of instructor.

MARB 685 Directed Studies
Credits 1 to 6. 1 to 6 Other Hours. Limited investigations in fields other
than those chosen for the thesis or dissertation topic. May be repeated
for credit. Prerequisites: Graduate standing; approval of instructor.

MARB 689 Special Topics in
Credits 1 to 4. 1 to 4 Lecture Hours. Selected topics in an identified
area of marine biology. Prerequisites: Graduate standing; approval of
instructor.

MARB 691 Research for Thesis or
Dissertation
Credits 1 to 9. 1 to 9 Other Hours. MARB 691 is the designated field and/
or laboratory research leading to the M.S. or Ph.D. degree. MARB 691 may
be offered by any faculty member in MARB and may be offered as many
times as necessary in a given semester. MARB 691 may be repeated
for credit by a student. Prerequisites: Graduate standing; approval of
instructor.

MARB 693 Professional Study
Credits 1 to 3. 1 to 3 Other Hours. Guidance for preparation of
professional paper in marine biology, including literature searchers,
annotated bibliography, figures, tables, citations and references;
preparation for final exam. May be taken three times for credit.
Prerequisites: MARB non-thesis and approval of instructor.