Elective courses for Marine Biology major (MARB)

Molecular Electives:
BIOL 4101 Cell Biology Laboratory 2 hrs
BIOL 5220 Introductory Molecular Genetics 3 hrs
BIOL 5020 Developmental Biology 3hrs
BIOL 5370 Molecular Ecology, 3 hrs
BIOL 4970 Special Topics 1-4 hrs – Requires approval by faculty advisor

Ecology and Evolution Electives:
BIOL 5090 Conservation Biology, 3 hrs
BIOL 5510 Biogeography, 3 hrs
BIOL 5550 Wetland Biology, 4 hrs
BIOL 5110 Community Ecology, 3 hrs
BIOL 4970 Special Topics 1-4 hrs – Requires approval by faculty advisor

Physiology Electives:
BIOL 5240 Animal Physiology, 4 hrs
BIOL 4970 Special Topics 1-4 hrs – Requires approval by faculty advisor

Biology Electives (In addition to alternatives listed above for topical electives):
BIOL 4000 Histology, 4 hrs
BIOL 4020 Vertebrate Biodiversity, 4 hrs
BIOL 5300 Plant Anatomy and Dev., 4 hrs
BIOL 5320 Plant Gene Expression, 4 hrs
BIOL 4410 Vertebrate Development, 5 hrs
BIOL 5740 Herpetology, 4 hrs
BIOL 5750 Ornithology, 4 hrs
BIOL 4980 Undergraduate Research, maximum of 4 hrs
BIOL 5110 Parasitology, 4 hrs
BIOL 5120 Systematic Botany, 4 hrs
BIOL 5140 Plant Ecology, 4 hrs
BIOL 5160 Field Biology and Ecology, var. hrs
BIOL 5340 Protozoology, 4 hrs
BIOL 5380 General Ichthyology
BIOL 5600 Mammalian Physiology, 6 hrs
BIOL 5650 Ethology, 4 hrs
BIOL 5760 Mammalogy, 4 hrs
FISH 5210 Principles of Aquaculture, 3 hrs
FISH 5220 Water Science 3 hrs
FISH 5320 Limnology 4 hrs
FISH 5410 Intro to Fish Health, 2 hrs
FISH 5510 Fisheries Biology and Management, 3 hrs
FISH 5630 Facilities for Aquaculture, 3 hrs

Marine Biology Summer Electives
Students are expected to enroll in courses at marine field stations to gain practical and theoretical knowledge in the area of study. Auburn University has a formal consortium agreement with both Dauphin Island Sea Lab (DISL; www.disl.org) and Gulf Coast Research Laboratory (GCRL; www.usm.edu/gcrl). Alternatively a student may seek enrollment at an alternative lab. Due to the nature of the consortium agreements and courses at marine labs, the schedule of offered courses can change slightly on an annual basis. Typically, any marine-related course offered by DISL or GCRL is an eligible elective. Student should consult the web pages of these labs for recent offerings. Any elective taken a marine field station must be approved, prior to application to the course, by the Marine Biology Liaison.

Revised April 15, 2008 SRR