Coastal Carolina University
Faculty Senate Consent Agenda
November 6, 2013

All changes are effective Fall 2014.

Academic Affairs (moved and seconded out of committee)
Proposals for new courses and course changes:

COLLEGE OF SCIENCE

1. Department of Biology

   a. BIOL 450  Molecular Biology and Evolution

   Proposed revision(s): Course change(s).
   Change in prerequisite(s): from: None to: BIOL 350/350L.
   Change in title of course: from: Molecular Biology and Evolution to: Molecular Biology.
   Proposed catalog description: BIOL 450 Molecular Biology. (3) (Prereq: BIOL 350/350L) (Coreq: BIOL 450L) This course is a single semester course that will focus on the molecular mechanisms of in vivo and in vitro gene expression. The course will introduce students to the techniques used for the isolation, manipulation and expression of recombinant DNA as well as the control of gene expression in prokaryotes and eukaryotes. Subjects to be discussed will include (but are not limited to): DNA cloning, genome sequencing and genomics, recombinant protein expression and the application of molecular biology to modern medicine and agriculture. S.

   b. BIOL 450L  Molecular Biology and Evolution Laboratory

   Proposed revision(s): Course change(s).
   Change in prerequisite(s): from: None to: BIOL 350/350L.
   Change in title of course: from: Molecular Biology and Evolution Laboratory to: Molecular Biology Laboratory.
   Proposed catalog description: BIOL 450L Molecular Biology Laboratory. (1) (Prereq: BIOL 350/350L) (Coreq: BIOL 450) This course is a hands on instructional laboratory course that complements BIOL450 lecture, Molecular Biology. Students will perform experiments routinely used to investigate the structure and function of genes. These include: the purification of DNA from cells, the isolation, cloning, disruption and overexpression of genes as well as the analysis and comparison of DNA and protein sequences. S.

   c. BIOL 492  Phylogenomics

   Proposal for a new undergraduate course.
   Number of credits: 3 Prerequisite(s): BIOL 350/350L. Corequisite(s): None. Primary Goal: This course may be used as an elective.
   Proposed catalog description: BIOL 492 Phylogenomics. (3) (Prereq: BIOL 350/350L) This course introduces students to the basic principles of how genomic data is used to interpret phylogenetic relationships among taxa. Students review aspects of both evolutionary processes
and phylogenetic theory to develop an understanding of how genomic data can be applied to answer questions in these fields using the available software tools. S.


2. Department of Psychology and Sociology

a. SOC 331 Methods in the Social Sciences

Proposed revision(s): Course change(s).
Change in prerequisite(s): from: SOC 101 or SOC 102; PSYC 225 or its equivalent to: SOC 101 or SOC 102; SOC 201.

Proposed catalog description: SOC 331 Methods in the Social Sciences. (3) (Writing Intensive) (Prereq: SOC 101 or SOC 102; SOC 201) (Coreq: SOC 331L) Introduction to the methods and problems involved in designing and conducting research in sociology and related fields. F, S.

b. SOC 331L Methods in the Social Sciences Laboratory

Proposed revision(s): Course change(s).
Change in prerequisite(s): from: SOC 101 or SOC 102 to: SOC 101 or SOC 102; SOC 201.

Proposed catalog description: SOC 331L Methods in the Social Sciences Laboratory. (1) (Prereq: SOC 101 or SOC 102; SOC 201) (Coreq: SOC 331) Exercises and assignments to supplement the material presented in Sociology 331. F, S.

c. SOC 497 Senior Thesis

Proposed revision(s): Course change(s).
Change in corequisite(s): from: None to: SOC 497L.

Proposed catalog description: SOC 497 Senior Thesis. (3) (Prereq: SOC 101 or SOC 102, Senior standing, SOC 201, SOC 330, and SOC 331) (Coreq: SOC 497L) Each student plans and executes an original research project under a sociologist’s supervision. F, S.