

FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

Undergraduate Programs—NEW COURSE PROPOSAL

DEPARTMENT: BIOLOGICAL SCIENCES

COLLEGE: CHARLES E. SCHMIDT COLLEGE OF SCIENCE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX PCB COURSE NUMBER 4067 LAB CODE (L or C) L

(TO OBTAIN A COURSE NUMBER, CONTACT RPOLANSK@FAU.EDU)

COMPLETE COURSE TITLE: GENETICS LAB

EFFECTIVE DATE

(first term course will be offered)

FALL 2014

CREDITS: 3

TEXTBOOK INFORMATION: Handouts provided via Blackboard, & online resources to supplement

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN 3 LINES:

This laboratory course is open to advanced undergraduates and graduate students. In this course students will gain significant experience in classical and molecular genetics using two powerful model systems, the roundworm *Caenorhabditis elegans* and fruit fly *Drosophila melanogaster*. Experiments will be performed to identify morphological and behavioral mutant phenotypes, investigate gene linkage and crossing over, establish dominant versus recessive and sex-linked versus autosomal inheritance, and generate genetic maps.

PREREQUISITES W/MINIMUM GRADE*:

Students must have already taken Introductory Biology (BSC 1010 and 1011). While it is preferable to have also completed Genetics (PCB 3063), qualified students currently enrolled in Genetics will be considered (please contact instructors).

COREQUISITES*:

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:

*DEFAULT MINIMUM PASSING GRADE IS D-. PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: SPECIALIZATION IN THE PERTINENT FIELDS, CONTINGENT UPON DEPARTMENTAL APPROVAL

WAC/GORDON RULE COURSE

YES _____ NO X

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC/

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION):

____ Written Communication ____ Society/Human Behavior
 ____ Mathematics/Quant. Reas. ____ Global Citizenship
 ____ Science/Natural World ____ Creative Expression

Must attach the appropriate General Education Course Approval Request: www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php

Faculty contact, email and complete phone number:

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Departments and/or colleges that might be affected by the new course must be consulted and listed here. Please attach comments from each.
 Department of Biological Sciences: This course was previously a Special Topics and needs a new course number.

Approved by:

FAUnewcrseUG—Revised August 2011

Date:

ATTACHMENT CHECKLIST