

# FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL 2/26/16  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

## Undergraduate Programs—NEW COURSE PROPOSAL <sup>1</sup>

DEPARTMENT **BIOLOGICAL SCIENCES**

COLLEGE **CES COLLEGE OF SCIENCE**

RECOMMENDED COURSE IDENTIFICATION (TO OBTAIN A COURSE NUMBER, CONTACT [NMALDONADO@FAU.EDU](mailto:NMALDONADO@FAU.EDU))

**EFFECTIVE DATE**

PREFIX \_BSC COURSE NUMBER \_4434 LAB CODE (L or C) \_\_\_\_\_

(first term course will be offered)

COMPLETE COURSE TITLE: **CONCEPTS IN BIOINFORMATICS**

\_\_ SPRING 2017 \_\_\_\_\_

CREDITS <sup>2</sup>  
**3**

TEXTBOOK INFORMATION **Bioinformatics and Functional Genomics, 3rd Edition. Jonathan Pevsner (Editor) ISBN: 978-1-118-58178-0. October 2015, Wiley-Blackwell**

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR \_X\_ PASS/FAIL \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

COURSE DESCRIPTION, NO MORE THAN THREE LINES: **CONCEPTS UNDERLYING THE MINING OF THE HUMAN GENOME BLENDING BIOLOGY, MEDICINE AND ENGINEERING**

PREREQUISITES W/MINIMUM GRADE\*

COREQUISITES\*

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)\*

**GENETICS(PCB 3063)/C-**

**BIOLOGY, BIOENGINEERING, SCIENCE/ENGINEERING AND COMPUTER SCIENCE), BACCALAUREATE**

*\*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: **PHD.**

WAC/GORDON RULE COURSE <sup>3</sup>

YES \_\_\_\_\_ NO \_X\_

WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. Guidelines: [www.fau.edu/WAC](http://www.fau.edu/WAC)

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION) <sup>4</sup>

\_\_ Written Communication \_\_ Society/Human Behavior  
\_\_ Math/Quantitative Reasoning \_\_ Global Citizenship  
\_\_ Science/Natural World \_\_ Humanities

General Education criteria must be indicated in the syllabus and approval attached to proposal. Guidelines: [www.fau.edu/ugstudies/GeneralEdCourseApprovalRequests.php](http://www.fau.edu/ugstudies/GeneralEdCourseApprovalRequests.php)

Faculty contact, email and complete phone number:  
 Dr. Ramaswamy Narayanan, [rnarayan@fau.edu](mailto:rnarayan@fau.edu)  
 561-297-2247

Please consult and list departments that might be affected by the new course and attach comments. <sup>5</sup>  
**Bioengineering/College of Engineering and Computer Science**

Approved by

Department Chair: [Signature]

College Curriculum Chair: [Signature]

College Dean: [Signature]

UUPC Chair: [Signature]

Undergraduate Studies Dean: [Signature]

UFS President: \_\_\_\_\_

Provost: \_\_\_\_\_

Date

02-09-16

0224/16

2/24/16

2/26/16

3/1/16

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: [www.fau.edu/academic/registrar/UUPCinfo](http://www.fau.edu/academic/registrar/UUPCinfo)

2. Review Provost Memorandum: **Definition of a Credit Hour**  
[www.fau.edu/provost/files/Definition\\_Credit\\_Hour\\_Memo\\_2012.pdf](http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf)

3. WAC approval (attach if applicable)

4. Gen. Ed. approval (attach if applicable)

5. Consent of affected departments (attach if applicable)

Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.