

# FLORIDA ATLANTIC UNIVERSITY™

## Undergraduate Programs—COURSE CHANGE REQUEST<sup>1</sup>

UUPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

DEPARTMENT: BIOLOGICAL SCIENCE	COLLEGE: COLLEGE OF SCIENCE
COURSE PREFIX AND NUMBER: BSC 4917	CURRENT COURSE TITLE: HONORS THESIS RESEARCH I
CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM): FALL 2013	TERMINATE COURSE (LIST FINAL ACTIVE TERM):
CHANGE TITLE TO: HONORS RESEARCH	CHANGE DESCRIPTION TO: SUPERVISE INDEPENDENT RESEARCH FOR STUDENTS IN THE BIOLOGY HONORS PROGRAM. AN A GRADE MUST BE EARNED TO RECEIVE BIOLOGY HONORS DISTINCTION.
CHANGE PREFIX FROM: TO:	CHANGE PREREQUISITES/MINIMUM GRADES TO*:
CHANGE COURSE NO. FROM: TO:	<u>EXISTING</u> BSC 4905 AND PERMISSION OF INSTRUCTOR.
CHANGE CREDITS <sup>2</sup> FROM: TO:	<u>NEW PRE/REQ.</u> BSC 4905 AND ADMISSION TO BIOLOGY HONORS PROGRAM AND PERMISSION OF INSTRUCTOR.
CHANGE GRADING FROM: TO:	<u>MINIMUM PASSING GRADE</u> <u>B</u>
CHANGE WAC/GORDON RULE STATUS <sup>3</sup> ADD* _____ REMOVE _____	CHANGE COREQUISITES TO*:
CHANGE GENERAL EDUCATION REQUIREMENTS <sup>4</sup> ADD* _____ REMOVE _____	CHANGE REGISTRATION CONTROLS TO:
<p>*WAC and General Education criteria must be clearly indicated in attached syllabus. For WAC Guidelines: <a href="http://www.fau.edu/WAC">www.fau.edu/WAC</a>. Please attach General Education Course Approval Request: <a href="http://www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php">www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php</a></p>	
Attach syllabus for ANY changes to current course information.	
Should the requested change(s) cause this course to overlap any other FAU courses, please list them here.	Please consult and list departments that might be affected by the change(s) and attach comments. <sup>5</sup>

Faculty contact, email and complete phone number:

David Binninger; binninge@fau.edu; 561.297-3323

Approved by:	Date:	1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: <a href="http://www.fau.edu/academic/registrar/UUPCinfo">www.fau.edu/academic/registrar/UUPCinfo</a>
Department Chair: <i>Mark Binninger</i>	Feb. 27, 2013	2. Review Provost Memorandum: Definition of a Credit Hour <a href="http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf">www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf</a>
College Curriculum Chair: <i>J E Ry</i>	3/21/13	3. WAC approval (attach if necessary)
College Dean: <i>D. J. Binninger</i>	3/20/13	4. Gen. Ed. approval (attach if necessary)
UUPC Chair: <i>Q I M</i>	3/21/13	5. Consent from affected departments (attach if necessary)
Undergraduate Studies Dean: <i>Edna S. Binninger</i>	3/27/13	
UFS President:		
Provost:		

Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the University Undergraduate Programs Committee meeting so that materials may be viewed on the UUPC website prior to the meeting.

# **Honors Research FALL 2013 Weekly BSC 4917-002**

## **(CRN#80288) 3 credits**

### **Meeting Schedule (Friday, 12:00 to 2pm SC 141)**

**Instructors:** Dr. Evelyn Frazier ([efrazier@fau.edu](mailto:efrazier@fau.edu)), SC 212, Office Hours T-Th 2pm to 3:30pm.

Dr. John Nambu ([jnambu@fau.edu](mailto:jnambu@fau.edu)) , SC 206 Office Hours: T-Th:  
1-2pm

**Teaching Assistant:** Stephanía Libreros ([slibrero@fau.edu](mailto:slibrero@fau.edu)) and Ramon Garcia-Areas ([rgarci45@fau.edu](mailto:rgarci45@fau.edu))

**Office Hours:** By appointment, please e-mail

**Office:** College of Medicine room 312

**Pre-requisites:** BSC 4905 and Admission to Biology Honors Program and Permission of Instructor, Minimum Passing Grade of B

**Course Description:** **S**upervise **i**ndependent **r**esearch **f**or **s**tudents **i**n the **B**iology **H**onors **P**rogram. **A**n **A** grade **m**ust **be **e**arned **t**o receive **B**iology **H**onors **D**istinction.**

**Course Outcomes:** After completion of this course students should be able to:

1. Read, comprehend and analyze scientific writing
2. Understand and apply scientific concepts
3. Interpret scientific graphs and figures
4. Scientific discovery is an ongoing and dynamic process
5. An understanding of ethics and ethical behavior
6. Communicate the ideas within the research project orally and as a written proposal

**Course Objectives/Learning Outcomes:** Students will learn to:

1. Conduct a literature search, and navigate important research related websites.
2. Critically analyze scientific articles, as well as critique oral presentations
3. Utilize several software required for making presentations such as Microsoft Office, and photoshop.
4. Conduct themselves within research labs with proper safety training
5. Write and present a research proposal

**To master the material in this course, fifteen weeks of effort are required with a minimum of two hours per week per credit hours on the out of classroom assignments**

**Instructions to students:**

In this course you will be working on writing the proposal of the research project that you are working on this FALL. Please turn in all your work as a Word document (.doc, not .docx) in safeassign through our Honors

blackboard site. In the document, please include the course name, your name, the title of the work, and the date of submission. Once the teaching assistant has made suggestions, we expect them to be incorporated in your paper. If you disagree with the suggestions, please talk to T.A. and explain your reasoning for not incorporating the suggested changes. Only final versions should be submitted to Dr. Nambu and Dr. Frazier.

We also expect our suggestions be incorporated on your final version. IF you disagree with the suggestions, explain in writing, why you have chosen not to incorporate them in your final version. All final versions of your documents should be turned in through safeassign via blackboard.

**Attendance is mandatory. It is your responsibility to attend class, submit your work on time, and follow directions for the assignments. If you do all of these things, it will be reflected in your grade for this course. Points will be deducted for absences, tardiness, late work, and not following directions.**

**Required Books/Supplements:** None

**Blackboard:** is an online educational program that ALL students enrolled in this class have FREE access to. All you need to do is go to <http://blackboard.fau.edu> and follow procedures to login.

**E-mail:** All students are required to check their FAU e-mails every day once a day. Your instructor as well as your TA will be communicating with you personally via e-mail. DO NOT have your FAU account forwarded to AOL or other e-mail sites because some messages will NOT make it through.

**E-mail Etiquette:** Wait 24 hours for a response to your e-mail. Do not expect anyone to reply during a weekend or holiday. When e-mailing your T.A.'s, faculty or staff at FAU please write e-mails in a professional format. WE ARE NOT YOUR BUDDIES! We have a PROFESSIONAL relationship and you should be trained to correspond in a professional manner. Here are some suggestions: Greetings: refer to the faculty as Dr. Last Name, T.A.'s and FAU staff as Mr. LAST NAME or Mrs./Ms. LAST NAME; Subject line of the e-mail should include: Course name or number: e.g. Biodiversity or BSC1011; and ALWAYS write you FULL NAME.

**INNAPPROPRIATE E-mail example:** "yo, what is my grade b4 the final?" NEVER USE abbreviations such as used in text messaging. No one should have to answer such an e-mail!

**University Attendance Policy:** "Students are expected to attend all of their scheduled university classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grade is determined by the instructor." (University Catalogue).

**Grading:** Letter grade. For a student to receive HONORS DISTINCTION in their transcript they have to obtain an "A" in this course. You will be graded based on attendance(10%), turning

required assignments on time(10%), following assignment directions(10%), 30% quality of written work and 30%oral presentations and participation (10%).

**Religious Accommodations:** Students who wish to be excused from coursework, class activities or examinations must notify the instructor in advance of their intention to participate in religious observation and request an excused absence.

### **Disability policy statement**

In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) -- in Boca Raton, SU 133 (561-297-3880); in Davie, LA 240 (954-236-1222); in

Jupiter, SR 110 (561-799-8010); or at the Treasure Coast, CO 117 (772-873-3441) –and follow all OSD procedures.

### **Code of Academic Integrity Policy Statement**

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001. Students caught Plagiarizing will be assigned a grade of “F” in the course and their transcripts will be flagged.

### **Schedule of activities and deadlines:**

**\*All assignments will be submitted via Blackboard, unless otherwise indicated**

Week	Date	Activity	Homework	Due Date
1	Aug 24	Introduction to Honors: - Expectations for semester (syllabus) -Introduction to Honors Thesis Proposal - Writing an effective introduction	- Submit latest version of your working introduction with your advisor's edits	Due 8/31
2	Aug 31	- Writing specific aims and significance statement -In class revision of introduction section	- Submit first draft of specific aims and significance statement -Submit revised introduction	Due 9/4

3	Sep 7	<ul style="list-style-type: none"> <li>-Writing your research strategy section</li> <li>-Tools and resources to plan/troubleshoot experiments</li> <li>-In class revision of specific aims and significance statement</li> </ul>	<ul style="list-style-type: none"> <li>- Submit outline of research strategy</li> <li>-Submit revised specific aims and significance statement</li> <li>- Bring data to create your own figures and tables</li> </ul>	Due 9/11
4	Sep 14	<ul style="list-style-type: none"> <li>- Biosafety Training Seminar</li> <li>-In class review of research strategy outline</li> <li>-How to make publication quality figures and tables in Excel</li> </ul>	<ul style="list-style-type: none"> <li>- Write up on the biosafety training needed to work in your laboratory</li> <li>- Submit first draft of the research strategy section</li> </ul>	Due 9/18
5	Sep 21	<ul style="list-style-type: none"> <li>-Writing preliminary results</li> <li>-In class discussion of research strategy</li> </ul>	<ul style="list-style-type: none"> <li>- Submit an outline of preliminary results</li> <li>-Submit all figures to be used in preliminary results with captions</li> <li>-Submit revised research strategy</li> </ul>	Due 9/25
6	Sep 28	<ul style="list-style-type: none"> <li>-Writing an effective abstract</li> <li>- Incorporating preliminary results into the proposal</li> <li>-In class discussion of figures</li> </ul>	<ul style="list-style-type: none"> <li>-Submit your first draft of preliminary results</li> <li>-Submit abstract</li> </ul>	Due 10/2
7	Oct 5	<ul style="list-style-type: none"> <li>-Guide to formatting the proposal</li> <li>-In class discussion of preliminary results and abstract</li> </ul>	<ul style="list-style-type: none"> <li>-Submit first draft of thesis proposal</li> </ul>	Due 10/9

8	Oct 12	<ul style="list-style-type: none"> <li>- Strengths/weaknesses analysis of written proposals</li> <li>-In class discussion of first draft of proposal</li> </ul>	<ul style="list-style-type: none"> <li>- Submit second draft of thesis proposal with correct format</li> <li>-Start to prepare/update proposal powerpoint</li> </ul>	Due 10/16
9	Oct 19	<p>Workshop:</p> <ul style="list-style-type: none"> <li>-Powerpoint and beyond</li> <li>-A crash course in public speaking</li> </ul>	Prepare your final proposal presentation	Due 10/26
10	Oct 26	Student presentations to group – in class commentary	Make suggested changes	
11	Nov 2	Student presentations to group – in class commentary	Make suggested changes	
12	Nov 9	<p>Public presentation of proposals &amp; lunch</p> <p>Room TBA</p> <p><b>ALL STUDENTS ATTEND</b></p>		
13	Nov 16	<p>Public presentation of proposals &amp; lunch – <b>ALL STUDENTS ATTEND</b></p>		
14	Nov 23	<b>Have a great Thanksgiving!!</b>		