

# FLORIDA ATLANTIC UNIVERSITY™

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## Undergraduate Programs—COURSE CHANGE REQUEST

DEPARTMENT: <b>BIOLOGICAL SCIENCES</b>	COLLEGE: <b>C.E.S.C.o S</b>
COURSE PREFIX AND NUMBER: <b>ENC 6258</b>	CURRENT COURSE TITLE: <b>SCIENTIFIC COMMUNICATION</b>
CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM): <b>SPRING 2013</b>	_____ TERMINATE COURSE (LIST FINAL ACTIVE TERM):
CHANGE TITLE TO:  CHANGE PREFIX FROM: <b>ENC</b> TO: <b>BSC</b>  CHANGE COURSE NO. FROM: <b>6258</b> TO: <b>6840</b>  CHANGE CREDITS FROM: <b>2</b> TO: <b>3</b>  CHANGE GRADING FROM: _____ TO: _____  CHANGE WAC/GORDON RULE STATUS ADD* _____ REMOVE _____  CHANGE GENERAL EDUCATION REQUIREMENTS ADD* _____ REMOVE _____  *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>	CHANGE DESCRIPTION TO:  This is a course for students interested in scientific research. The students are introduced to various techniques and softwares important for data processing and presentation of their research data. The students learn to effectively present their research to the general public and to the scientific community in written form such as research proposals, conference presentations, seminars and publications.  CHANGE PREREQUISITES/MINIMUM GRADES TO*:  CHANGE COREQUISITES TO*:  CHANGE REGISTRATION CONTROLS TO:
<b>Attach syllabus for ANY changes to current course information.</b>	
Should the requested change(s) cause this course to overlap any other FAU courses, please list them here.	Departments and/or colleges that might be affected by the change(s) must be consulted and listed here. Please attach comments from each.

Faculty contact, email and complete phone number:  
 Tanja Godenschwege, [godensch@fau.edu](mailto:godensch@fau.edu), SC209-Biological Sciences Department, 561-297-1390

<b>Approved by:</b> Department Chair: _____ College Curriculum Chair: _____ College Dean: _____ UUPC Chair: _____ Undergraduate Studies Dean: _____ UFS President: _____ Provost: _____	<b>Date:</b> _____ _____ _____ _____	<b>ATTACHMENT CHECKLIST</b> ♦ Syllabus (see guidelines for requirements: <a href="http://www.fau.edu/academic/registrar/UUPCinfo">www.fau.edu/academic/registrar/UUPCinfo</a> )  ♦ Syllabus checklist (recommended)  ♦ Written consent from all departments affected by changes  ♦ WAC approval (if necessary)  ♦ General Education approval (if necessary)
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Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) one week before the University Undergraduate Programs Committee meeting so that materials may be viewed on the UUPC website prior to the meeting.

## SYLLABUS

**Course Title:** Scientific Communication

**Course Number:** BSC 6840 (3 credits) Fridays 2:00-5:00 PM; SC 119

**Instructor & Contact:** Dr. Tanja Godenschwege (godensch@fau.edu)

Sanson Science, Room 209-Biological Sciences Department

Office Hours: F 9:00-10:30.

**Course description:**

It's a hands on course designed for students that are active in scientific research. The students get introduced to various software (citation software, image processing and graphics drawing software) important for data processing and presentation of their research data. In addition the students learn how to effectively present their research to the general public as well as their peers visually as well as in written form such as research proposals, conference presentations, seminars and publications.

**Course Objectives:** To enhance the ability of students to communicate scientific topics and their own research to experts as well as laymen in a concise and clear manner.

**Method of instruction:** Lectures, classroom exercises, single and group assignments, discussion, presentations and proposal writing.

**Required Textbooks:** 1.) Scientific Papers and Presentations, Martha Davis, Elsevier Academic press, 2.) 3<sup>rd</sup> Edition, Style: The Basics of Clarity and Grace, Joseph M Williams

**Topics:**

1. Introductions & Elevator pitches
2. Designing and presenting Research posters at Scientific meetings
3. Data & imaging processing Software & Resolution
4. Scientific grant and proposal writing
5. Reviewing research papers and proposals
6. Research publications, impact factor and H-factor
7. Finding funding for research
8. CVs and Applications for grants awards, fellowships
9. Research talks and seminars

**Assessment Procedures, Grading Criteria, Class Policies:**

Midterm exam, attendance, homework assignments & presentations, class participation, and final proposal paper will determine the final grade with the following weights:

Poster & Presentation	25%
Attendance & Participation	20%
Assignments	20%
Proposal	20%
Proposal Review	15%

94-100%=A, 90-94%=A-, 86-90%=B+, 82-86%=B, 78-82%=B-, 74-78%=C+, 70-74%=C, 66-70%=C-, 62-66%=D+, 58-62%=D, 54-58%=D-, <54%=F; grades may be curved to adjust to 100%

It is the responsibility of the student to withdraw from this class, should that status be desired - the instructor cannot withdraw students from the course. The instructor will not give the grade of "I" in lieu

of a grade of "D" or "F". The grade of "I" will be considered only in exceptional cases (such as serious illness) for students who are presently performing at a "C" or higher level in the course.

**Attendance.** Students are expected to attend all scheduled classes. If you miss a class you are responsible for ALL the material covered during that class, including lecture material and rules and regulations about the course (such as penalties for late assignments, etc.).

**Assignments, papers and proposals.** The papers and homework are due on the dates assigned. These will be accepted up to 1 week late, but they will be penalized. None will be accepted over 1 week late. To master the material covered in this course it is expected that the student will spend a minimum of two hours per week per credit hour on the out of classroom assignments.

**Accommodations for students with disabilities.** In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton - SU 133 (561-297-3880), in Davie - MOD I (954-236-1222), in Jupiter - SR 117 (561-799-8585), or at the Treasure Coast - CO 128 (772-873-3305), and follow all OSD procedures.

**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.

**Honor Code.** Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, 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

[http://www.fau.edu/regulations/chapter4/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf)