

For Registrar Office's Use Only: Banner_

Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

revised 11/8/11

registrar.gmu.edu/facultystaff/curriculum

Action Requested: X Create new course Modify existing course (check a Title Prereq/coreq Other:			urse Level: Undergraduate Graduate	
College/School: Science Valerie Olmo		Department: Biology Ext: 3-1051 E	mail: volmo@gmu.edu	
Subject Code: BIOL N (Do not list multiple codes or numbers. Earlave a separate form.)		Fall X Spring Summer	Year 2016	
Title: Current Banner (30 characters max in New Alternative care				
Credits: 1 Fixed on Variable to		X Not Repeatable (NR) Repeatable within degree (R Repeatable within term (RT)	D) Maximum credits allowed:	
Grade Mode: X Regular (A, B, Satisfactory/No Special (A, B C	Credit (check one)	Lab (LAB)	Independent Study (IND) Seminar (SEM) Studio (STU)	
Prerequisite(s): N/A	Corequisite(s):		Instructional Mode: X 100% face-to-face Hybrid: ≤ 50% electronically delivered 100% electronically delivered	
Restrictions Enforced by Syste	m: Major, College, Degree, Pro	ogram, etc. Include Code.	Are there equivalent course(s)? Yes X No If yes, please list	
Catalog Copy for NEW Cours Description (No more than 60 words This course will explore non-tradit	, use verb phrases and present ten	ise) Notes (List additional info	ormation for the course)	
degree. Weekly seminars will allow biology undergraduates to discuss and explore the broad-range of career options that utilize a biology degree with professionals in those fields.				
Indicate number of contact hours: Hours of Lecture or Seminar per week: 1.5 Hours of Lab or Studio: When Offered: (check all that apply) Fall Summer X Spring				
Approval Signatures Department Approval	12/9/14/ Date 114	College/School Approval	Date	
If this course includes subject mate those units and obtain the necessary	ter currently dealt with by any ot signatures prior to submission. Fai	her units, the originating departme lure to do so will delay action on th	ent must circulate this proposal for review by is proposal.	
Unit Name	Unit Approval Name	Unit Approver's Signature	Date	
For Graduate Courses O	nly			
Graduate Council Member	Provost Office		Graduate Council Approval Date	

Course Proposal Submitted to the Curriculum Committee of the College of Science

1. COURSE NUMBER AND TITLE: BIOL302- Alternative careers in biology

Course Prerequisites/Co-requisite:

N/A

Catalog Description:

This course will explore non-traditional careers that use a biology degree, but are not in academia or health-related professions. During weekly seminars, biology undergraduates will interact with professionals with degrees in Biology but have successfully transitioned into a broad range of careers including national security, journalism, and more.

2. COURSE JUSTIFICATION:

Course Objectives:

This half-semester course will offer biology majors the opportunity to interact with professionals who have used their biology degrees for non-traditional biology careers. A major objective for this course is to offer students a forum within which to explore individual strengths and weaknesses in order to identify potential career paths outside of academia and medicine. This course is expected to retain biology students who are genuinely interested in biology, but are disillusioned with their prospects in medicine and academia.

Course Necessity:

The biology undergraduate student body with an interest in health-related careers are well served with the pre-health program. However, few resources provide employment options and alternative career paths for the non-health biology undergraduate. This seminar series will bridge this gap and expose our students to the plethora of alternative careers in biology and how to prepare them to enter that workforce upon graduation from GMU.

Course Relationship to Existing Programs:

This course helps fulfill the career development goals in the BS and BA in Biology degrees.

Course Relationship to Existing Courses:

No similar course is available to Biology undergraduates.

3. APPROVAL HISTORY:

This will be a new course for Biology.

4. SCHEDULING AND PROPOSED INSTRUCTORS:

Semester of Initial Offering:

Spring 2016

Proposed Instructors:

Valerie Olmo and Geraldine Grant

Tentative Course description:

Do you love biology, but have no interest in becoming a doctor, a teacher or a scientist? Do not despair! This course is designed to explore non-traditional careers that utilize a biology degree. Every week, students will interact with professionals who have successfully translated their biology degrees into successful careers in a wide-array of career paths. These professionals will share their motivations, strategies, and advice for breaking out of the traditional trajectory and into new and exciting fields for budding biologists.

Objectives for this course:

- To offer students the opportunity to hear from professionals who have used their biology degrees for non-traditional careers (ie- pre-health, education, research)
- Retain biology students who are genuinely interested in biology, but are disillusioned with their prospects in traditional biology careers
- Allow students to reflect on their own strengths and weaknesses to identify fields suited for their personal definition of success

Format of the course:

- seminar course
- speaker will present their career trajectory, advice about what courses are useful to take in preparation for a career in their field and allot time for student questions

Student Assessment:

60%- Weekly written assignments addressing the following questions:

- 1. Based on the previous week's discussions and presentation, what courses currently offered at GMU would be most useful to prepare for that career path?
- 2. Based on my strengths, what could I bring to this field?
- 3. Based on my weaknesses, what would be my biggest challenges in this field?

30%- A final written assignment outlining a potential career plan including planned undergraduate coursework and extracurricular activities (research opportunities, internships, etc)

10%- Participation/attendance

Sample syllabus/topics to be covered:

Date	Topic	Name of the speaker
Week 1	Introduction and self- evaluation	Val Olmo and Gerry Grant
Week 2	National security	CIA representative
Week 3	Journalism	Scientific writer
Week 4	Scientific illustration	Scientific illustrator
Week 5	Scientific law	Patent lawyer
Week 6	Public relations	PR person
Week 7	Environmental consulting	Esther Peters
Week 8	Industry	Dr. Polayes