Course Change Request

New Course Proposal

Date Submitted: 03/30/23 11:20 am

Viewing: **COS 150 : Women Leaders in STEM**

Last edit: 03/31/23 8:23 am

Changes proposed by: jbazaz

Are you completing this form on someone else's behalf?

Yes

Requestor:

Name	Extension	Email
Tina Bell	3105	tbell22

Effective Term: Fall 2023

Subject Code: COS - College of Science   **Course Number:**   150

Bundled Courses:

Is this course replacing another course?   No

Equivalent Courses:

Catalog Title: Women Leaders in STEM

Banner Title: Women Leaders in STEM

Will section titles vary by semester?   No

Credits: 1

Schedule Type: Seminar

Hours of Lecture or Seminar per week: 1

Repeatable: May be only taken once for credit, limited to 3 attempts (N3)   **Max Allowable Credits:**   3

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Science, technology, engineering, or mathematics (STEM) majors.

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

    Field(s) of Study:

    Class(es):

    Level(s):

    Degree(s):

    School(s):

Catalog Description:

This is a discussion-oriented course to develop leadership skills for students pursuing a careers in science, technology, engineering, and math (STEM). The course will also emphasize cohort building, networking, and mentorship. Current issues surrounding the treatment of women leaders in STEM disciplines will also be discussed. Classes will be either seminar-style or workshops and will focus on case studies, relevant scholarship, and skill practice. This course is open to science, technology, engineering, or mathematics majors of all gender identities.

Justification:

What: Creating a new Women in STEM course.

Why: To meet an unmet need and consciously welcome a commonly underrepresented group into STEM.

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

[COS150_Mar30.pdf](COS150_Mar30.pdf)

**Additional
Attachments**

Staffing:

Dr. Tina Bell

**Relationship to
Existing Programs:**

At present, this course will be a general elective, but we aim to write this into the curriculum for various

undergraduate programs.

**Relationship to
Existing Courses:**

None.

**Additional
Comments:**

**Reviewer
Comments**

Key: 18148

Women Leaders in STEM (COS 150)
Introduction to Leadership Skills Seminar

Instructor: Dr. Tina Bell (tbell22@gmu.edu)

Course Description:
This is a discussion-oriented course to develop leadership skills for students pursuing a career in science, technology, engineering and math. The course will also emphasize cohort building, networking and mentorship. Current issues surrounding the treatment of women leaders in STEM disciplines will also be discussed. Classes will be either seminar-style or workshops and will focus on case studies, relevant scholarship, and skill practice. This course is open to College of Science and College of Engineering and Computing students of all gender identities.

Objectives:
- Develop skills in writing, oral presentation, and teamwork
- Build proficiency with resumes, interviewing, and networking
- Cultivate mentoring relationships
- Identify leadership qualities and STEM role models
- Develop skills and strengths that will increase resilience
- Develop skills and characteristics that contribute to personal empowerment.

Required Materials: Assigned Reading Materials will be provided.

Grading: Your grade in this course will be based on the following activities and assignments:

- Attendance & Participation (30%) Come to class, on time, don't leave early, be an active contributor
- Bi-Weekly Assignments (30%) Available on Blackboard, due Sundays at 11:59pm Personalized course topics based on your unique interests
- Group Presentations (30%) Each group leads 30-45 minute class discussion / activity based on a pre-assigned topic
- Women in STEM Project (10%) Interview a faculty / industry member who identifies as a woman in STEM

Grading Scale:
90-97.9% = A
87-89.9% = B+
80-86.9% = B
77-79.9% = C+
70-76.9% = C
60-69.9% = D

Correspondence: Students who e-mail me Monday - Thursday can ordinarily expect a response within 24 hours. Students who e-mail after 4 PM on Friday or over the weekend can ordinarily expect a response by noon on the following Monday. Sending multiple emails regarding the same matter in a 24 hour period will not produce a more prompt response. Please see the professional email handout regarding the appropriate format for emails.

Gender identity and pronoun use: If you wish, please share your name and gender pronouns with me and how best to address you in class and via email. I use she/her/hers for myself and you may address me as "Dr. Bell" in email and verbally.

Blackboard: Class information, discussions, assignments and lecture material will be posted on Blackboard. It is your responsibility to check Blackboard on a regular basis to keep up with course events.

Honor Code: GMU is an Honor Code university; please see the University Catalog for a full description of the code and the honor committee process. The principle of academic integrity is taken very seriously and violations are treated gravely. What does academic integrity mean in this course? Essentially this: when you are responsible for a task, you will perform that task. When you rely on someone else's work in an aspect of the performance of that task, you will give full credit to those people in the proper, accepted form.   When doing homework, the work must be yours. It is totally unacceptable to copy the work of another student in this course in any form.

Students with Special Needs, Disabilities or Concerns: Please inform me of any special needs or medical concerns that you may have as soon as possible.

- Disability Services at George Mason University is committed to providing equitable access to learning opportunities for all students by upholding the laws that ensure equal treatment of people with disabilities. If you are seeking accommodations for this class, please first visit http://ds.gmu.edu/ for detailed information about the Disability Services registration process. Then please discuss your approved accommodations with me. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email:ods@gmu.edu | Phone: (703) 993-2474
- If you have an extenuating circumstance that will cause you to accumulate absences or tardiness in this course, please talk to me as soon as possible. Often with proper communication, we can come up with a plan where you can still be successful in the course.

Class Schedule:
Week 1: Introductions: Orientation Activity, Group Formation

Week 2: Women's Underrepresentation in Science: Sociocultural and Biological Considerations

Week 3: Leadership characteristics and role models

Week 4: What are your strengths? Strengths Finder Activity

Week 5: Belonging in STEM: Facing Imposter Syndrome

Week 6: Communication; The Double-edged Sword of Assertiveness

Week 7: Crucial Conversations and Conflict Resolution

Week 8: Creative Problem Solving and Design Thinking

Week 9: Resilience and Empowerment; Claiming a seat at the table

Week 10: The "Gender Pay Gap"; Intersections with other marginalized groups

Week 11: Mentoring: We Rise by Lifting Others

Week 12: Women Leaders and Family Responsibilities

Week 13: Resume Workshop and Peer Review

Week 14: Interviewing Skills; Mock Interview Workshop

Week 15: Closing social and Group Reflection