Course Change Request

New Course Proposal

Date Submitted: 11/05/21 11:16 am

Viewing: COS 520 : Science Policy in Practice

Last edit: 11/05/21 11:23 am

Changes proposed by: jrosenb4

In Workflow

1. SC Curriculum Committee
2. SC Associate Dean
3. Assoc Provost-Graduate
4. Registrar-Courses
5. Banner

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

No

Effective Term: Spring 2022

Subject Code: COS - College of Science

Course Number: 520

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Science Policy in Practice

Banner Title: Science Policy in Practice

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: Graduate Regular

Recommended Prerequisite(s):

POGO 794

Recommended Corequisite(s):

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

COS 510

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:

Science policy internships are central to developing an understanding of how science policy operates. This course is a project-based follow-up to a science policy internship in which students will have the opportunity to synthesize what they have learned in the internship and in their scientific research. During the course students will develop a policy paper analyzing relevant topics from their internship and prepared in a format that will be submitted to their internship office and can be submitted to a science policy journal. In addition, students will present their work orally to members of the science policy community.

Justification:

Science policy internships are central to the design of our science policy program. For students to get the most out of that experience, particularly those who are going to pursue a certificate in science policy, this experience will provide an opportunity to process what they have learned. The course is a project-based follow-up to their internship. During the course students will develop a policy memo analyzing relevant topics from their internship.

Does this course cover material which crosses into another department? Yes

Impacted Departments:

Department

Department
SSPG - Schar School of Policy & Government

Learning Outcomes:

- Students will use their knowledge of science and science policy to generate guidance for their internship office on an issue that is relevant both to their scientific expertise and their internship experience. (understanding knowledge creation)
- Students will engage multiple stakeholder viewpoints to integrate STEM knowledge into science policy guidance. (engage multiple viewpoints)
- Students will analyze a current science-related policy issue that is relevant to their internship experience and their scientific research (investigate meaningful questions)
- Students will complete a journal-style paper analyzing a science-related policy issue relevant to their internship experience (complete a project; communicate and share results)
- Students will present (talk format) their results to an audience of their peers, faculty, and internship mentors (communicate and share results)

Attach Syllabus

Science Policy Post Internship Draft Syllabus Graduate.pdf

Additional Attachments

Staffing:

Jessica Rosenberg; jrosenb4@gmu.edu
Jennifer Salerno; jsalerno@gmu.edu
Lee Solomon; lsolomo@gmu.edu
Karen Akerlof; kakerlof@gmu.edu
Jim Olds; jolds@gmu.edu

Relationship to Existing Programs:

This course will be added to the science policy graduate certificate program after it is approved.

Relationship to Existing Courses:

This course is a follow-on to COS 510 and an internship experience which can be taken as part of POGO 794 as part of the graduate certificate program.

Additional Comments:

Reviewer Comments

Gregory Craft (gcraft) (11/05/21 11:23 am): changed max allowable credits from 1 to 3 per university guidelines.

Key: 17407

COS 520: Science Policy in Practice

Potential Course Instructors:
Jessica Rosenberg; jrosenb4@gmu.edu
Jennifer Salerno; jsalerno@gmu.edu
Lee Solomon; lsolomo@gmu.edu
Karen Akerlof; kakerlof@gmu.edu
Jim Olds; jolds@gmu.edu

Office Hours: Online, by appointment

Course information, readings, and assignments will be posted on Blackboard

Course Description:
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Learning Outcomes:

- Students will use their knowledge of science and science policy to generate guidance for their internship office on an issue that is relevant both to their scientific expertise and their internship experience. (understanding knowledge creation)
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Accommodations for Disabilities:

If you are a student with a disability and you need academic accommodations, please see one of the professors and contact the Office for Disability Services (ODS) at 993-2474, http://ods.gmu.edu. All academic accommodations must be arranged through the ODS.

Academic Integrity:

GMU is an Honor Code university; please see the Office for Academic Integrity 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. There will be collaborative projects in this class, for those projects all contributors should be credited. For individual projects on which only your name appears, you are welcome to discuss your ideas but the end result must be yours alone. If you are ever unclear as to the expectations for a part of this class please ask for guidance and clarification.

Sexual Harassment, Sexual Misconduct, and Interpersonal Violence

As a faculty member and designated "Responsible Employee," I am required to report all disclosures of sexual assault, interpersonal violence, and stalking to Mason's *Title IX Coordinator* per *university policy 1412*. If you wish to speak with someone confidentially, please contact the *Student Support and Advocacy Center* (703-380-1434), *Counseling and Psychological Services* (703-993-2380), *Student Health Services*, or *Mason's Title IX Coordinator* (703-993-8730; cde@gmu.edu).

Privacy

Students must use their MasonLive email account to receive important University information, including communications related to this class. I will not respond to messages sent from or send messages to a non-Mason email address.

Grading:

Participation in weekly discussions of policy experience	10%
Assignments in preparation for final memo	15%
Science policy paper	50%
Science policy talk	25%

Graduate regular grading scale (A+ → F):

A+	99-100
A	95-98.9
A-	90-94.9
B+	87-89.9
B	83-86.9
B-	80-82.9
C	70-79.9
F	<70

Late Assignments:
Late assignments will not be accepted without prior approval.

Participation and Attendance:
This class is going to depend heavily on your involvement. You are expected to bring what you learned from your internship to the weekly discussions so that you can work towards your final memo on an issue of science policy.

Policy paper:
Students will be expected to draft a paper on a science policy issue at the intersection of their scientific research and their internship experience. The paper should be written towards the publication requirements of a policy journal. Students will be required to submit the paper to the office with which they worked. If appropriate, they will be encouraged to submit the paper for publication as well.

Policy presentation:
Students will present their policy paper material in a talk at the end-of-year science policy celebration. This talk will be in front of current and prospective science policy students, faculty, and members of organizations at which students have gotten or could get internships.

Course Calendar

Week	Assignments	Topic
1		Introductions, format, and expectations
2	Bring 3-4 articles on a policy issue of your choice (relevant to your scientific interests and internship experience)	Identifying a policy issue I
3	Bring to class your ideas about a policy issue that you would like to write about and 2-3 policy	Identifying a policy issue II

	journals in which the paper could be published	
4	Bring to class a survey of work that has been done on your policy issue and the publishing guidelines for the journal that you will work towards for publication	Literature review on policy issues including past/current legislature, GAO reports, agency reports, non-profit work/viewpoints, and other stakeholder viewpoints (e.g., industry reports)
5	Bring to class a summary of policy recommendations	Framing and discussing policy recommendations
6	Bring to class revised policy recommendations	Framing and discussing policy recommendations; Overview of policy presentations
7	Present short talk on your policy experience	Policy internship presentations
8	Prepare material for the background section of your paper	Discuss writing the background section of your paper
9	Bring to class/submit draft of background section of paper	Discussing policy presentations and paper writing (work session)
10	Partial draft of policy paper due	Discussing policy presentations and paper writing (work session)
11	Draft of policy paper due	Peer review of paper drafts

12	Prepare presentation	Practice presentations I
13	Final draft of policy paper due	Peer review of paper drafts
14		Practice presentations II
15	Policy paper due	Science policy celebration/presentations