

**COURSE NAME:** Bioscience Policy

**COURSE NUMBER:** 11:373:404

**SEMESTER:** Spring 2019

**MEETING DAYS, TIMES, AND PLACE:** TH 9:15am – 12:15pm; HCK-211

**CONTACT INFORMATION:**

Instructor(s): Dr. Carl Pray

Office Location: Cook Office Building, Room 102

Phone: 848-932-9121

Email: [cpray@sebs.rutgers.edu](mailto:cpray@sebs.rutgers.edu)

Office Hours: TH 2-4pm

**COURSE DESCRIPTION:**

Advances in biology will be the basis of growth in some key industries in the 21st Century. New Jersey industry and Rutgers University are among the leaders in biological sciences and biotechnology research. This course will examine the impact of government investments in science and the impact of technology policies on research and technology development by industries which are based on the biological sciences – Pharmaceuticals, Food, Agriculture, and Biofuel. It will also look at how government policies shape the impact of science on these industries and on economic growth and welfare of the citizens of United States and the World.

**LEARNING GOALS:**

By the end of this course, students will be able to:

1. Analyze and develop science policies using
  - a. Induced innovation theory
  - b. Simple cost benefit analysis
2. Understand the basic structure of the industries based on biology such as the pharmaceutical industry, bio-fuel industry, food industry and agricultural biotech industry
3. Be more effective in finding reliable information in libraries and on the web
4. Communicate and write more effectively about science policy issues
5. Work more effectively in groups

**ASSIGNMENTS/RESPONSIBILITIES, GRADING & ASSESSMENT:**

Goals number 1 and 2 will be assessed in an in-class midterm exam, class discussion and their two policy briefs. Goals number 3 through 5 will be assessed through the performance in their group projects. Each group of 3 students will present 3 class presentations and write 2 policy briefs of 10 to 15 pages.

Assessing students' progress:

Class discussion	15%
Midterm	30%
Presentations to class	20%
Written reports	35%

**ACCOMODATIONS FOR STUDENTS WITH DISABILITIES**

Please follow the procedures outlined at <https://ods.rutgers.edu/students/registration-form>. Full policies and procedures are at <https://ods.rutgers.edu/>

Enter additional text here if you wish

## **ABSENCE POLICY**

Students are expected to attend all classes; if you expect to miss one or two classes, please use the University absence reporting website <https://sims.rutgers.edu/ssra/> to indicate the date and reason for your absence. An email is automatically sent to me.

## **ACADEMIC INTEGRITY**

The university's policy on Academic Integrity is available at <http://academicintegrity.rutgers.edu/academic-integrity-policy>. The principles of academic integrity require that a student:

- properly acknowledge and cite all use of the ideas, results, or words of others.
- properly acknowledge all contributors to a given piece of work.
- make sure that all work submitted as his or her own in a course or other academic activity is produced without the aid of impermissible materials or impermissible collaboration.
- obtain all data or results by ethical means and report them accurately without suppressing any results inconsistent with his or her interpretation or conclusions.
- treat all other students in an ethical manner, respecting their integrity and right to pursue their educational goals without interference. This requires that a student neither facilitate academic dishonesty by others nor obstruct their academic progress.
- uphold the canons of the ethical or professional code of the profession for which he or she is preparing.

Adherence to these principles is necessary in order to ensure that

- everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments.
- all student work is fairly evaluated and no student has an inappropriate advantage over others.
- the academic and ethical development of all students is fostered.
- the reputation of the University for integrity in its teaching, research, and scholarship is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld.

## **STUDENT WELLNESS SERVICES**

Just In Case Web App <http://codu.co/cee05e>

Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

#### Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901 / [www.rhscaps.rutgers.edu/](http://www.rhscaps.rutgers.edu/)

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

#### Violence Prevention & Victim Assistance (VPVA)

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / [www.vpva.rutgers.edu/](http://www.vpva.rutgers.edu/)

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

#### Disability Services

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <https://ods.rutgers.edu/>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://ods.rutgers.edu/students/registration-form>.

#### Scarlet Listeners

(732) 247-5555 / <https://rutgers.campuslabs.com/engage/organization/scarletlisteners>

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.