

**RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY  
SCHOOL OF ENVIRONMENTAL and BIOLOGICAL SCIENCES**

**Department of Food Science**

<b>COURSE TITLE</b>	<b>Current Issues in Food Science and Food Laws</b>
<b>COURSE NUMBER</b>	11:400:314
<b>CREDITS</b>	2
<b>SEMESTER(S) OFFERED</b>	Spring
<b>CLASS DETAILS</b>	
Days/ Time(s)	M/Th 12:35-1:55 pm
Location	FS 120
<b>PREREQUISITE(S)</b>	Principles of Food Science 11:400:201
<b>INSTRUCTOR INFORMATION</b>	
Name	Dr. Karl Matthews, Dr. Beverly Tepper, and Dr. Robert Post
Phone	848-932-5430
Email	<a href="mailto:matthews@sebs.rutgers.edu">matthews@sebs.rutgers.edu</a>
Office Hours [Day(s) & Time(s)]	By appointment
Office Address	Rutgers Food Science Room #107 65 Dudley Road, New Brunswick NJ 08901
<b>COURSE DESCRIPTION</b>	
Role of food laws and the impact of those regulations on food safety, trade, labeling, nutrition, and food production.	
<b>COURSE OBJECTIVES</b>	
<p>- Students will obtain foundational factual knowledge in food microbiology, nutrition, biotechnology and food law from reading, lectures, and in-class exercises.</p> <p>-Through the use of simulations, case studies, group discussions and quizzes, students will begin to integrate facts and develop sufficient critical thinking skills to allow for intelligent debate of controversial issues.</p>	
<b>PROGRAM LEARNING GOAL (S) SATISFIED BY THIS COURSE:</b>	

**LG # 5: Graduates will effectively communicate Food Science issues.**

**Student Learning Goals and Outcome**

- 5.1:** Demonstrate ability to write clear and concise technical reports and research articles.
- 5.2:** Demonstrate the ability to deliver clear and concise technical presentations.
- 5.3:** Demonstrate the ability to gather scientific and nonscientific information and interpret content and quality of the literature in Food Science
- 5.4:** Demonstrate the ability to clearly communicate scientific principles and data to lay audiences
- 5.5:** Demonstrate effective listening skills as well as ability to accept constructive criticisms.

**COURSE MATERIALS:**

Reading assignments, PPT, government websites. Information provided as required.

**ASSIGNMENTS/RESPONSIBILITIES & ASSESSMENT:**

- Exams: Exams will be given to provide students feedback on their course performance. Exams will cover both materials presented in previous lectures and reading, including that assigned for the day of the quiz. Exams will focus on factual knowledge.
- Written Assignments: Brief, one to two pages (single space, 1” margins, 12 point font) written assignments will test student ability to assimilate knowledge and interpret data. Assignments turned in late will not be graded.

Final course grade will be based on:	Approximate grading cut-offs:
Exam I                      20%	90-100    A = outstanding, does it all
Exam II                      25%	85-89    B+
Exam III                     35%	80-84    B = excellent in most areas
In class project            20%	75-79    C+
	70-74    C = satisfactory factual knowledge
	65-69    D

<b>COURSE SCHEDULE</b>			
Session	Day/Date	Professor/Presenter	Topic
1	TH 1/23	Matthews	Pathogens and Processing HACCP
2	M 1/27	Matthews	HACCP
3	TH 1/30	Matthews	HACCP - Assignment
4	M 2/3	Matthews	HACCP working group – In class Quiz
5	TH 2/6	Matthews	HACCP working group – Hand in assignment
6	M 2/10	Matthews	HACCP group presentation
7	TH 2/13	Matthews	Food Safety Modernization Act
8	M 2/17	Matthews	Food Safety Modernization Act
9	TH 2/20	Matthews	Good Manufacturing Practices
10	M 2/24	Matthews	Sanitation
11	TH 2/27	Matthews	Organics (labeling)
12	M 3/2	Matthews	<b>Exam I</b>
13	TH 3/5	Tepper	Diet Guidelines; Nutrition Labeling
14	M 3/9	Tepper	Health Claims; Diet Supplements
15	TH 3/12	Tepper	Obesity; School Lunch Guidelines
	<b>M 3/16</b>		<b>Spring break</b>
	<b>TH 3/19</b>		<b>Spring break</b>
16	M 3/23	Tepper	Film & Discussion – Food Deserts
17	TH 3/26	Tepper	Cuisine; Discussion of <i>The Case Against Sugar</i> , by Gary Taubes
18	M 3/30	Tepper	Discussion of the <i>Case Against Sugar (cont'd)</i>
19	TH 4/2	Tepper	<b>Exam II</b>
20	M 4/6	Post	Food Regulations 101
21	TH 4/9	Post	Food Regulations 101
22	M 4/13	Post	Food Labeling & Label Claims
23	TH 4/16	Post	Food Labeling & Label Claims
24	M 4/20	Post	Safety evaluation and regulatory approval process for food additives & GRAS ingredients

25	TH 4/23	Post	Safety evaluation and regulatory approval process for food additives & GRAS ingredients
26	M 4/27	Post	Food Defense; food packaging
27	TH 4/30	Post	TBA
28	M 5/4	Post	TBA
	May ?	Exam III	FOOD SCI & FOOD LAW (11:400:314) Index      Section      Exam Code      Exam Day and Time 00574      01      C

## 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 / <http://www.scarletlisteners.com/>

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