

**Class Schedule:** <https://sis.rutgers.edu/soc/#home>

## INSTRUCTOR CONTACT INFORMATION

**Instructor:** Dr. Beverly Tepper

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Food Science Room #207, Rutgers University  
65 Dudley Road, New Brunswick, NJ 08901

Office hours: Mondays 12:15-1:15 pm

## COURSE WEBSITE, RESOURCES AND MATERIALS

All of the materials that you will need for this course will be posted in the class Canvas website (<https://tlt.rutgers.edu/canvas>).

Recommended Texts:

1. Meilgaard M, Civille, GV, Carr, BT. 2015. Sensory Evaluation Techniques. 5th Ed., CRC Press, Boca Raton, FL.
2. Lawless, HT, Heymann, H. 2010. Sensory Evaluation of Food: Principles and Practices. 2nd Ed. Chapman & Hall, New York. Posted to eCollege.
3. Laboratory Manual – Available in Canvas course site.
4. Online tutorials:

Taste: <http://www.biology-pages.info/T/Taste.html>

Smell: <http://www.biology-pages.info/O/Olfaction.html>

Taste & Smell: <http://philschatz.com/biology-book/contents/m44764.html>

## COURSE DESCRIPTION

Experience in using the senses as analytical tools. Principles of sensory evaluation of foods, including sample presentation, data recording and analysis, and report writing.

**PRE-REQUISITE:** *Statistics 11:960:211 or 285 or 401 OR 11:373:215 OR 11:216:369*

## LEARNING GOALS

This course will fulfill Food Science Program Learning Goal #4: Graduates will demonstrate critical thinking and quantitative reasoning skills to solve technical and applied problems in Food Science.

### Course Objectives:

At the end of this course, students will

- Demonstrate a working knowledge of chemosensory theory
- Understand the major classes of sensory test methodologies
- Gain skills analyzing and interpreting data from sensory tests
- Learn the ability to work as a team to design and execute a group project
- Develop oral and written communication skills

## ASSIGNMENTS/RESPONSIBILITIES, GRADING AND ASSESSMENT

Course Requirements:

Midterm 30% (In-class Exam)

Final 30% (Take Home)

Lab 40% (Lab Reports - 80%, Group Project - 20%)

**Final Exam/Paper Date and Time:** [Online Final Exam Schedule](#).

GRADING GRID:	“A” = 90 and above	“B+” = 85-89
“B” = 80 – 84	“C+”= 75-79	“C” = 70 - 74
“D”: 60-69	“F” = below 60% <u>and/or</u> if you do not attempt 1 or more exam(s)	

## 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/>

**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>.

## Absence Policy

**Rutgers Dean of Students** <http://deanofstudents.rutgers.edu/>

The University does recognize that temporary conditions and injuries can be problematic and may adversely affect a student's ability to fully participate in class.

**Absences or making up work:** <https://temporaryconditions.rutgers.edu/>

The Dean of Students Office at Rutgers University-New Brunswick provides solutions, services, and support to help students navigate Rutgers University. By focusing on students' educational, social, and personal development, staff in the Office promote academic success and student retention. The Office serves as a student support network by providing advocacy, problem resolution, and critical incident intervention for those times when additional assistance is needed.

- **Self-Reporting Absences:** For absences in class or labs less than a week that are not confidential in nature, students need to inform faculty directly by using the Absence Reporting System (ARS) (<https://sims.rutgers.edu/ssra/>).

- **Longer Periods of Absence:** If you anticipate missing more than one week of classes for serious illness, confidential, or sensitive personal reasons, you should also consult with a New Brunswick Dean of Students who will help to verify your extended absences from classes.

- **Absences due to illnesses:** If your absence is due to illness, visit New Brunswick Health Services for information about campus health services, including information about: how to make an appointment, self-care advice for colds/flu, mental health and counseling options.

## CLASS SCHEDULE

Week	Topic	Reading Assignment
1	Introduction to Sensory Analysis	Meilgaard - Chapter 1/Lawless - Chapter 1
2	Taste and Olfaction	Online Tutorials: Taste and Smell
3	Texture and Other Senses/ Psychological factors	Meilgaard - Chapters 3 & 4
4	Taste Genetics and Difference Tests	Meilgaard - Chapter 7 & 8
5	Scaling Techniques/ Statistics I	Meilgaard - Chapter 5, Chapter 14 (Section 14.3)/Lawless – Appendix I
6	Statistics I and Midterm	
7	Statistics II	Lawless – Appendix III (to page 719)
8	Descriptive Analysis I	Meilgaard - Chapters 11 & 12
9	Descriptive Analysis II	Meilgaard - Chapter 10
10	Taste Psychophysics	Lawless - Chapter 2
11	Affective Tests	Meilgaard - Chapter 13/ Lawless - Ch 15
12	Color/Appearance/Advanced Topics Review Group Project-Proposals Due	Meilgaard – Chapter 7
13-15:	Group Projects/ Exams	

**Final Exam/Paper Date and Time:** [Online Final Exam Schedule](#).

## Lab Schedule

Week	Lab #	Project Lab Report	Points
1	1	Labor Day Holiday – NO CLASS	
		Lecture – Intro to Sensory Lab -	
2	2	Lecture – Taste and Olfaction	
		Lab - Basic Taste and Common Odorants ---	
3	3	Lecture - Texture and Trigeminal	
		Lab – Texture ---	
4	4	Lecture /workshop – Taste Genetics	
		Lecture – Overall Difference Tests	
		Lab – Overall Difference Tests	(10)
5	5	Lecture –Attribute Difference Tests/Scaling	
		Review of chemosensory perceptions	(10)
		Lab – Attribute Difference/ Scaling	
6	--	Lecture – Statistics I	
		Midterm Exam	
		NO LAB ----	
7	6	Lecture – Statistics II	
		Lab – Context Effects	
8	7	Lecture - Descriptive Analysis I	
		Lab - Analysis Ballot Development & Training	(30)
		Lab - Descriptive Analysis (cont'd)	
9	8	Lecture - Descriptive Analysis II/ Group Projects	
		Lecture – Psychophysics; Lab –Thresholds for Off-tastes	
10	9	Group Project Proposals Due – Initial Review	
		Lab – Magnitude Estimation	(15)
11	10	Lecture –Affective Tests	
		Lab – Preparing a computerized ballot/ Affective Test	(15)
12	--	Lecture-Color/Appearance; Advanced Topics	
		Group Project Proposals – Final Review	
		NO CLASS – NO LAB –Thanksgiving Holiday	
13	--	Group Projects- ongoing	
14	--	Group Projects-ongoing	
15	--	Group Project - Presentations	
		Group Project - Presentations (cont'd)	(20)
		Final Reports Due	

**Final Exam/Paper Date and Time:** [Online Final Exam Schedule](#).

### 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.

### **Cheating and Plagiarism**

(From Spring 2010 Andy Egan 01:730:252 Eating Right): “Cheating on tests or plagiarizing materials in your papers deprives you of the educational benefits of preparing these materials appropriately. It is personally dishonest to cheat on a test or to hand in a paper based on unacknowledged words or ideas that someone else originated. It is also unfair, since it gives you an undeserved advantage over your fellow students who are graded on the basis of their own work. In this class we will take cheating very seriously”.

Turnitin will be used to assess students’ submissions and all suspected cases of cheating and plagiarism will be automatically referred to the Rutgers Academic Integrity office.

**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.

**Scarlet Listeners**

(732) 247-5555 / <http://www.scarletlisteners.com/>

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