

SYLLABUS
NUTRITION: Methods in Sensory Analysis
11:709:443
Fall 2023

Professor: Paul Breslin
Class Hours: Wednesday 8:30 am - 11:30 pm
(Note one exception below)
Location: **Hickman Hall Rm 127**
Prerequisites: 11:709:201, 11:709:255
Readings to be determined.

Office Hours: by appointment
Phone: 908 227 3739 (cell)
E-mail: breslin@SEBS.rutgers.edu
Course materials: on Canvas

Grades will be based upon class participation (including discussions and questions 10%), quizzes (5%), midterm (35%) and final exams (50%).

Week 1 Class, September 6	Introduction Course Synopsis/ Review of Course Objectives & Measurement and Data Types Introduction to Quantitative Variation and Statistics
Week 2 Class, September 13	Taste Biology and Sensation I Taste Biology and Sensation II
Week 3 Class, September 20	Taste Biology and Sensation III Olfaction and Sensation I Olfaction and Sensation II
Week 4 Class, September 27	Olfaction and Sensation III Somatosensation I
Week 5 Class, October 4	Somatosensation II Sensory Coding
Week 6 Class, October 11	Mid-Term Exam Introduction to Psychophysics
Week 7 Class, October 18	Psychophysics: Sensitivity Measurement Psychophysics: Discrimination Testing

Week 8 Class, October 25

Thurstonian Scaling,
R-Index

Week 9 Class, November 1

Intensity Scaling
Time-Intensity Measurement/Adaptation

Week 10 Class, November 8

Context Effects and Demand Effects
Descriptive Analysis

Week 11 Class, November 15

Hedonic/Affective Scaling
Texture Analysis
Preference Testing

Week 12 NO Class, November 22

No Class, This Wednesday is on a Friday Schedule

Thanksgiving Break (11/23 - 11/26)

Week 13 Class, November 29

Multi-modal Sensory Integration
Individual Sensory Differences and Genetics

Week 14 Class, December 6

Modeling Healthy Foods

Week 15 Class, December 13

Review

Classes End at end of Wednesday December 13

Reading Day December 14

Final Exams December 15-22

This is a lecture-based course and participation in lectures is required.

If you miss more than 4 classes, constituting 20% of the course or more, you cannot pass this course.

AVAILABLE STUDENT SUPPORT SERVICES

- *If you are having personal or other problems, there are many options at Rutgers for assistance.*

- Student Affairs office can help with issues related to your experience at Rutgers and when you don't know where to start when looking for assistance, contact the [Dean of Students office](#).
- If are in need of *mental health* services, please use our readily available services. Rutgers Counseling and Psychological Services (CAPS) – New Brunswick: <http://rhscaps.rutgers.edu/>
- If you need some temporary guidance, there is “Lets Talk” – which is a CAPS service offering drop-in hours at a number of locations across campus. No appointment is necessary. <http://health.rutgers.edu/medical-counseling-services/counseling/therapy/community-based-counseling/#runbhc>
- **If you are in need of *physical health* services** due to illness, please reach out to:
Rutgers Health Services – New Brunswick: <http://health.rutgers.edu/>
- **If you do not have enough food**, there is a Food Pantry on College Ave campus that is exclusively for Rutgers Students. <http://ruoffcampus.rutgers.edu/food/>
- If you need accommodation for a *disability*, obtain a Letter of Accommodation from the Office of Disability Services that provides student-centered and inclusive services. <https://ods.rutgers.edu>
- If you are a **military veteran** or are on active military duty, you can obtain support through the Office of Veteran and Military Programs and Services. <http://veterans.rutgers.edu/>
- If you are in **need of legal services**, please use our readily available services: <http://rusls.rutgers.edu/>
- If you are in need of additional *academic assistance*, please use our readily available services. Rutgers University-New Brunswick Learning Center: <https://rlc.rutgers.edu/>.
- If you or somebody you know has been victimized by a *crime, interpersonal violence* (e.g., stalking, sexual assault), support is available at the Rutgers Office for Violence Prevention and Victim assistance. <http://vpva.rutgers.edu>