SYLLABUS
NUTRITION: Methods in Sensory Analysis
11:709:443
Fall 2019

Professor: Paul Breslin  
Office Hours: by appointment

Class Hours: Wednesday 10:55-1:55pm  
Phone: 848-932-6080

Location: Loree Bldg Rm 115  
E-mail: breslin@aesop.rutgers.edu

Prerequisites: 11:709:201, 11:709:255

Readings to be determined.

Course materials: on Sakai

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

Week 1 Class, September 4
Introduction Course Synopsis/Review of Course Objectives & Measurement and Data Types
Introduction to Quantitative Variation and Statistics

Week 2 Class, September 11
Taste Biology and Sensation I

Week 3 Class, September 18
Taste Biology and Sensation II
Taste Biology and Sensation III (YK)

Week 4 Class, September 25
Olfaction and Sensation I
Olfaction and Sensation II

Week 5 Class, October 2
Olfaction and Sensation III
Somatosensation I

Week 6 Class, October 9
Somatosensation II
Sensory Coding

Week 7 Class, October 16
Mid-Term Exam
Introduction to Psychophysics

Week 8 Class, October 23
Psychophysics: Sensitivity Measurement
Psychophysics: Discrimination Testing

Week 9 Class, October 30
Thurstonian Scaling,
R-Index

Week 10 Class, November 6
Intensity Scaling
Time-Intensity Measurement/Adaptation
Week 11 Class, November 13  
Context Effects and Demand Effects  
Descriptive Analysis

Week 12 Class, November 20  
Hedonic/Affective Scaling  
Texture Analysis  
Preference Testing

Week 13 NO Class, November 27  
Thanksgiving Break – No Class Wednesday  
(Friday Schedule Observed)

Week 14 Class, December 4  
Multi-modal Sensory Integration  
Individual Sensory Differences and Genetics

Week 15 Class, December 11  
Modeling Healthy Foods  
Make-Up Lecture/Review

Reading Day December 12  
Review

This is a lecture based course and participation in lectures is required. If you miss more than 5 classes, constituting 20% of the course or more, you cannot pass this course.

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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/](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](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/](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/](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](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/](http://veterans.rutgers.edu/)

• If you are in **need of legal services**, please use our readily available services: [http://rusls.rutgers.edu/](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/](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](http://vpva.rutgers.edu)