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

Professor: Paul Breslin
Office Hours: by appointment
Class Hours: Monday & Wednesday 10:55-12:15pm
Phone: 732-932-6080
Location: Hickman 114
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 2
Introduction Course Synopsis/ Review of Course Objectives & Measurement and Data Types

Week 2 Classes, September 7, 8 & 9
No CLASS Labor Day
Tuesday on Monday Class Schedule: Introduction to Quantitative Variation and Statistics Taste Biology and Sensation I

Week 3 Classes, September 14 & 16
Taste Biology and Sensation II (RH) Taste Biology and Sensation III

Week 4 Classes, September 21 & 23
Olfaction and Sensation I Olfaction and Sensation II (YK)

Week 5 Classes, September 28 & 30
Olfaction and Sensation III Somatosensation I

Week 6 Classes, October 5 & 7
Somatosensation II Sensory Coding

Week 7 Classes, October 12 & 14
Mid-Term Exam
Introduction to Psychophysics

Week 8 Classes, October 19 & 21
Psychophysics: Sensitivity Measurement
Psychophysics: Discrimination Testing

Week 9 Classes, October 26 & 28
Thurstonian Scaling, R-Index

Week 10 Classes, November 2 & 4
Intensity Scaling Time-Intensity Measurement/Adaptation
| Week 11 Classes, November 9 & 11 | Context Effects and Demand Effects  
Descriptive Analysis |
|---------------------------------|--------------------------------------------------|
| Week 12 Classes, November 16 & 18 | Hedonic/Affective Scaling  
**RUSSELL SYMPOSIUM** (In Place of Lecture) |
| Week 13 Class, November 23 & 25 | Texture Analysis  
**Thanksgiving Break – No Class Wednesday Nov 25** |
| Week 14 Classes, November 30 &  
December 2 | Preference Testing  
Multi-modal Sensory Integration |
| Week 15 Classes, December 7 & 9 | Individual Sensory Differences and Genetics  
Modeling Healthy Foods |
| Reading Days December 11-12 | 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.