Schedule and Syllabus

Course Coordinator: **Dr. E. Tytell**
200 Boston Av., 4744 7-0312
Office Hours: Wed: 1-3 pm (or by appointment at https://beta.doodle.com/tytell)

Participating faculty: **Dr. B. Trimmer**
200 Boston Av., 2631 7-3924
Office Hours: Mon: 9-10, Thur 3:30-4:30

Teaching Assistants: **Ritwika Mukherjee**
**Anthony Scibelli**

Laboratory periods are Monday and Tuesday from 1:30 – 5:00 P.M. in SEC 027E and there is a mandatory recitation every Thursday from 4:30 P.M. – 5:25 P.M. in 574 Boston Ave, room 204.

**Sep. 5 (Recitation):** INTRODUCTORY MEETING in 574 Boston 204 at 4:30. Introduction to the course, its requirements, grading system, and preparation for the first lab.

**September 9 and 10** Visuomotor learning (Tytell)

**Sep. 12 (Recitation)** Data analysis, lab reports (Tytell)

**September 16 and 17** Analysis of visuomotor data (Tytell)

**Sep. 19 (Recitation)** Cardiovascular physiology, diving response (Trimmer)

**September 23 and 24** Diving response I (Trimmer)

**Sep. 26 (Recitation)** Mini-report/writing discussion

**Sep. 30, Oct 1** Diving response II (Trimmer)

**Mini report 1 on visuomotor learning due Sep 30./Oct 1**

**Oct. 3 (Recitation)** Neurophysiology (Tytell)

**October 7 and 8** Sensory physiology and adaptation (Tytell)

**Neurophysiology worksheet due by the end of class (Oct 7/8)**

**Oct. 10 (Recitation)** Paper discussion: Schagatay et al. 2000

**Mini report 2 on the diving response (first draft) due Oct. 11**

**October 14 and 15. No lab. Indigenous peoples day.**

**Oct. 17 (Recitation)** Brain function and the electroencephalogram (Trimmer)

**October 21 and 22** Electroencephalograms I (Trimmer)

**Oct. 24 (Recitation)** Paper discussion

**Mini report 2 on the diving response (final copy) due Oct. 25**

**Oct. 28 and 29** Electroencephalograms II (Trimmer)

**Oct. 31 (Recitation)** Muscle physiology (Tytell)

**Nov. 4 and 5** Electromyograms I (Tytell)

**Mini report 3 on EEGs (first draft) due Nov. 8**
Nov. 7 (Recitation)  Paper discussion: Gabaldón et al 2004
November 11 and 12  *No lab. Veterans’ day.*
Nov. 14 (Recitation)  Planning for final projects
                      **Final project proposal due Nov. 20**
November 18 and 19  Electromyograms II (Tytell)
                      **EMG figure due by the end of class (Nov. 18/19)**
Nov. 21 (Recitation)  Project discussions
November 25 and 26  Final projects
                      **Mini report on EEGs (final copy) due Nov. 27**
Nov. 28 (Recitation)  *No recitation. Thanksgiving Day*
December 2 and 3    Final projects
Dec. 5 (Recitation)  Final presentation discussion
                      **Dec 18, 3:30-5:30**  Final project presentations (during exam period)

Course requirements and Grading

- First mini report ............................................14%
- Drafts ............................................................4% each
- Mini reports 2 and 3 .......................................20% each
- Worksheets and figures ..................................8% total
- Final presentation ...........................................26%
- Participation ..................................................4%

This syllabus and other information relevant to the Bio. 49 course is available on the Tufts Canvas site at:

**https://canvas.tufts.edu/courses/9487**

Please check this site regularly for manuals, course information and other resources

We will add useful information and links to these web pages at appropriate times in the course.