This advanced laboratory course provides a survey of human sensation and perception, including the underlying neuroscientific processes. Major topics include a detailed exploration of human vision, audition, and attention, as well as measurement techniques of neuroimaging & psychophysics. This course will provide knowledge of research, theories, and methods of cognitive neuroscience along with experience analyzing both neuroimaging and behavioral data. Students will also learn how to construct an IRB protocol, program online perception experiments, evaluate published empirical research & classic papers in the field, and write lab reports.

**MODE OF DELIVERY:** Online (D2L)

**PROFESSOR AND OFFICE HOURS:**
Adam S. Greenberg, PhD
Office Location: Garland Hall #219
Office Phone: 414-229-1106
Email address: agreenb@uwm.edu
Web Page: [http://uwm.edu/psychology/people/greenberg-adam/](http://uwm.edu/psychology/people/greenberg-adam/)
Office Hours: Thursdays 9:30am-10:30am, and by appointment (email or call to schedule)

**PREREQUISITES:** The prerequisites are Psychology 325 (Research Methods in Psychology) and junior standing.

**REQUIRED READING:** The textbook for this course can be purchased from the UWM Virtual Bookstore ([http://uwm.ecampus.com](http://uwm.ecampus.com)):

Additional readings (empirical journal articles) will be distributed to students through the D2L website (see list at the end of this document).

**COURSE ORGANIZATION:**
- The course is organized into 15 units (one for each week of the semester) consisting of 24 Lectures and 16 Workshops
- All course-related business (Lectures, Workshops, Labs, Exams, etc) will be conducted through the UWM D2L website for this course ([http://d2l.uwm.edu](http://d2l.uwm.edu))
- Assignment submissions and exams should be taken on a computer or laptop hardwired into the wall to prevent loss of connectivity related errors during submission. **Cell phones are NOT recommended for taking exams** because connectivity problems often lead to errors during submission
- Questions about accessing or working in D2L should be directed to the UWM Help Desk before contacting the instructor. The Help Desk staff is much better equipped to answer D2L-related questions

**MINIMUM TIME COMMITMENT:** Psych 623 is a 4-credit course, so you should expect to dedicate, on average, **at least 12 hours per week during the semester** (i.e., at least 180 hours for the semester; see below for a breakdown of the minimum time commitment).