

CS&D 861 section 001 Syllabus



Laboratory in Physiological Assessment of the Auditory System II

COURSE INFORMATION

Laboratory in Physiological Assessment of the Auditory System II

CS&D 861 001 (1 Credits)

2021 Fall [1222]

Prerequisite(s)

Graduate/professional standing

Instruction Mode

Classroom Instruction

Section Level Com B

False

Department: Communication Sci & Disorders

College: Letters and Science



2021 Fall [1222]

Term Start Date: Monday, 23-Aug-2021 **Term End Date:** Tuesday, 1-Feb-2022

Location and Schedule: M 4:20 PM-6:20 PM

CRN: 164581222

How Credit Hours are Met :

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This class provides laboratory experience with hands-on recording and interpreting advanced physiological measures used by audiologists for threshold and diagnostic evaluations. Tests include advanced acoustic immittance, middle and long latency auditory evoked potentials, and cognitive auditory potentials such as P300, and MMN. Students learn to administer and interpret these tests and integrate the findings to form an overall assessment of clinical patients.

The credit standard for this course is met by an expectation of a total of 45 hours of student engagement with the course-learning activities, which include regularly scheduled instructor, reading, writing, problem sets, hands-on lab work, and other student work as described in the syllabus. Students should expect to spend some evening or weekend hours for some lab assignments.

Regular and Substantive Student-Instructor Interaction :

No Response



Other Course Information :

Course Description

Laboratory experience in objective measures used by audiologists for threshold and diagnostic evaluations, including acoustic immittance, middle and long latency auditory evoked potentials, P300, and MMN. Demonstrations, projects, and case studies prepare students to administer and interpret these tests.

KASA Standards to be met in this class	Knowledge/Skill Met? (check)	CSD 861: Lab in Physiological Assessment in Audiology II	How standard is met
<ul style="list-style-type: none"> • A5. Calibration and use of instrumentation according to manufacturers' specifications and accepted standards 		CSD 861	Lab activity and report with grade B or better
<ul style="list-style-type: none"> • A6. Standard safety precautions and cleaning/disinfection of equipment in accordance with facility-specific policies and manufacturers' instructions to control for infectious/contagious diseases 		CSD 861	Lab activity and report with grade B or better
<ul style="list-style-type: none"> • A12. Effective interaction and communication with clients/patients, families, professionals, and other individuals through written, spoken, and nonverbal communication 		CSD 861	Lab activity and report with grade B or better
<ul style="list-style-type: none"> • C4. Identifying, describing, and differentiating among disorders of the peripheral and central auditory systems and the vestibular system. NEW! 		CSD 861	Lab activity and report with grade B or better

<ul style="list-style-type: none"> • C7. Selecting, performing, and interpreting a complete immittance test battery based on patient need and other findings; tests to be considered include single probe tone tympanometry or multifrequency and multicomponent protocols, ipsilateral and contralateral acoustic reflex threshold measurements, acoustic reflex decay measurements, and Eustachian tube function. NEW! 		CSD 861	Lab activity and report with grade B or better
<ul style="list-style-type: none"> • C15. Selecting, performing, and interpreting tests to evaluate central auditory processing disorder. NEW! 		CSD 861	Lab activity and report with grade B or better
<ul style="list-style-type: none"> • C16. Electrophysiologic testing, including but not limited to auditory steady-state response, auditory middle latency response, auditory late (long latency) response, and cognitive potentials (e.g., P300 response, mismatch negativity response). NEW! 		CSD 861	Lab activity and report with grade B or better

Students work in groups to do the assignments. Class meets every other week to discuss new assignments and receive a supervised introduction to the new assignment. Because of different schedules, students may need to do some of their data collection in the evenings or on the weekend.

INSTRUCTORS AND TEACHING ASSISTANTS (TAs)

Instructor



Cynthia FOWLER

✉ CGFOWLER@WISC.EDU



Instructor Availability and Preferred Contact :

Office hours: 1 hour after class

Other times by appointment–email me to schedule

COURSE OUTCOMES, GRADING, and OTHER COURSE MATERIALS

Course Learning Outcomes (CLOs) :

- Upon successful completion of the course, the student will be able to do the following: • Use advanced methods in middle ear assessment, including multifrequency tympanography and wideband acoustic immittance

S10582

- Interpret the above methods of middle ear assessment appropriately in clinical assessments

S10583

- Use advanced auditory electrophysiological measures, including middle and late auditory evoked potentials, auditory steady state responses, and auditory cognitive potentials

S10584

- Interpret the above potentials effectively in clinical assessments

S10585

- Read and explain manuals for the equipment used in physiologic assessments

S10586

Grading :

- Attendance and participation are part of the grades
- Percentage:
 - A= 100–92
 - AB= 91.9–88
 - B= 87.9–83
 - BC= 82.9–78
 - C= 77.1–72
 - CD= 71.9–68
 - D= 67.9–60
 - F= <60

Discussion Sessions :

No Response

Laboratory Sessions :

The specific topics that will be covered are shown below. Detailed lab procedures are posted on canvas by date.

LABORATORY SESSIONS

The specific topics that will be covered are shown below. Detailed lab procedures are posted on Learn@UW.

Sept 13: Principles of Measurement

Sept 20 – 27: Multifrequency Tympanometry

Oct 4 – 11: Acoustic Reflexes

Oct 18 – 25: Wideband Acoustic Immittance

Nov 1 – Nov 8: AMLR & ALLR

Nov 15 – 22: Cognitive Potentials P300 & MMN

Nov 29 -Dec 6: ASSR

Dec 13 All labs due

Required Textbook, Software, & Other Course Materials :

The same texts as for CSD 860 will be used and supplemented with appropriate literature.

Homework & Other Assignments :

Labs will be done in groups. Each member of the group is responsible for data collection, and contents of the lab report.

Groups may need to meet evenings and weekends in order to include all members.

Lab reports are due in 2 weeks from the assignment. Completion of data collection, interpretation, and written lab reports may be scheduled in your groups between our class meetings.

Send a copy of the completed lab report with the raw data to both the reader/grader and to me.

EXAMS, QUIZZES, PAPERS & OTHER MAJOR GRADED WORK

Exams, Quizzes, Papers & Other Major Graded Work :

Grades are based on the data collection, interpretation, and lab reports.





Privacy of Student Information & Digital Tools: Teaching & Learning

Analytics & Proctoring Statement

The privacy and security of faculty, staff and students' personal information is a top priority for UW-Madison. The university carefully reviews and vets all campus-supported digital tools used to support teaching and learning, to help support success through [learning analytics](#), and to enable proctoring capabilities. UW-Madison takes necessary steps to ensure that the providers of such tools prioritize proper handling of sensitive data in alignment with FERPA, industry standards and best practices.

Under the Family Educational Rights and Privacy Act (FERPA – which protects the privacy of student education records), student consent is not required for the university to share with school officials those student education records necessary for carrying out those university functions in which they have legitimate educational interest. 34 CFR 99.31(a)(1)(i)(B). FERPA specifically allows universities to designate vendors such as digital tool providers as school officials, and accordingly to share with them personally identifiable information from student education records if they perform appropriate services for the university and are subject to all applicable requirements governing the use, disclosure and protection of student data.



Privacy of Student Records & the Use of Audio Recorded Lectures

See information about [privacy of student records and the usage of audio-recorded lectures](#).

Lecture materials and recordings for this course are protected intellectual property at UW-Madison. Students in this course may use the materials and recordings for their personal use related to participation in this class. Students may also take notes solely for their personal use. If a lecture is not already recorded, you are not authorized to record my lectures without my permission unless you are considered by the university to be a qualified student with a disability requiring accommodation. [Regent Policy Document 4-1] Students may not copy or have lecture materials and recordings outside of class, including posting on internet sites or selling to commercial entities. Students are also prohibited from providing or selling their personal notes to anyone else or being paid for taking notes by any person or commercial firm without the instructor's express written permission. Unauthorized use of these copyrighted lecture materials and recordings constitutes copyright infringement and may be addressed under the university's policies, UWS Chapters 14 and 17, governing student academic and non-academic misconduct.



How to Succeed in This Course

Resource links to other campus services:

- [University Health Services](#)
- [Undergraduate Academic Advising and Career Services](#)
- [Office of the Registrar](#)
- [Office of Student Financial Aid](#)
- [Dean of Students Office](#)





Course Evaluations

Students will be provided with an opportunity to evaluate this course and your learning experience. Student participation is an integral component of this course, and your confidential feedback is important to me. I strongly encourage you to participate in the course evaluation.

Digital Course Evaluation (AEFIS)

UW-Madison uses a digital course evaluation survey tool called [AEFIS](#). In most instances, you will receive an official email two weeks prior to the end of the semester, notifying you that your course evaluation is available. In the email you will receive a link to log into the course evaluation with your NetID. Evaluations are anonymous. Your participation is an integral component of this course, and your feedback is important to me. I strongly encourage you to participate in the course evaluation.



Students' Rules, Rights & Responsibilities

Rights & Responsibilities

For fall 2021, instructors and students should consult the following website for current campus health and safety guidance: covidresponse.wisc.edu.



Diversity & Inclusion Statement

Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals. The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background – people who as students, faculty, and staff serve Wisconsin and the world.



Academic Integrity Statement

By virtue of enrollment, each student agrees to uphold the high academic standards of the University of Wisconsin-Madison; academic misconduct is behavior that negatively impacts the integrity of the institution. Cheating, fabrication, plagiarism, unauthorized collaboration, and helping others commit these previously listed acts are examples of misconduct which may result in disciplinary action. Examples of disciplinary action include, but is not limited to, failure on the assignment/course, written reprimand, disciplinary probation, suspension, or expulsion.





Accommodations for Students with Disabilities

The University of Wisconsin-Madison supports the right of all enrolled students to a full and equal educational opportunity. The Americans with Disabilities Act (ADA), Wisconsin State Statute (36.12), and UW-Madison policy ([UW-855](#)) require the university to provide reasonable accommodations to students with disabilities to access and participate in its academic programs and educational services. Faculty and students share responsibility in the accommodation process. Students are expected to inform faculty [me] of their need for instructional accommodations during the beginning of the semester, or as soon as possible after being approved for accommodations. Faculty, will work either directly with the student or in coordination with the McBurney Center to provide reasonable instructional and course-related accommodations. Disability information, including instructional accommodations as part of a student's educational record, is confidential and protected under FERPA. (See: [McBurney Disability Resource Center](#))



Academic Calendar & Religious Observances

[Academic Calendar & Religious Observances](#)

