

**COURSE SYLLABUS**  
**COMD 866: Amplification II, 2 s.h.**  
**UW-Stevens Point & UW-Madison**  
**Spring 2017**  
**MW 1:00-1:50**  
**Room 234 CPS, UWSP**

**Professor:** Dr. Rebecca L. Warner Henning  
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**Office Hours:** Monday and Wednesday 3:00-4:00, Friday 11:00-noon, & by appointment

**Reaching me by phone:** You are welcome to try calling my office anytime, but if you want to *guarantee* that I'll be available, please arrange a time with me beforehand.

**E-mail Communication:**

Because this class is taught via distance education, the ability to communicate reliably via e-mail is extremely important. I check my e-mail several times during the day. I will usually reply to you within 1-2 business days. Although I sometimes read and/or respond to emails on evenings and weekends, I cannot guarantee that I always will (sometimes I'm out of town or busy with other things), so please plan ahead to avoid last-minute weekend or late-night "emergencies".

You are responsible for checking your school e-mail account at least once per weekday. You are also responsible for managing technical difficulties that are under your control, such as deleting e-mails in order to stay below your maximum allocated storage space.

If you have ongoing technical difficulties with e-mail that are beyond your control, please contact me (preferably via telephone) so we can arrange an alternate form of communication.

I typically respond to e-mails within 1-2 working days, and often sooner. If you send me an e-mail that requires a response from me, but you do not receive a response from me within 2 working days, you should re-send the e-mail and/or call me to make sure that I received it. If you re-send an e-mail and I still don't respond within one working day, you are responsible for contacting me via telephone.

**Prerequisites:**

- Hearing Science
- Electroacoustics and Instrument Calibration
- Hearing Assessment
- Amplification I
- Research Methods

### **Required Readings:**

- Harvey Dillon, *Hearing Aids 2<sup>nd</sup> edition*
- Additional readings to be provided on the course D2L website

### **Course Description:**

This is the second course in a 2 1/3-semester sequence that covers amplification for persons with hearing loss. This class will focus on adult amplification, and we will cover some advanced clinical topics, including applications of new hearing aid technology, current issues in verification and validation, “alternative” hearing aids (such as bone conduction, frequency compression, etc.), assistive listening devices, hearing loss and cognition, hearing loss and quality of life, etc. A major objective of this class is to increase your ability to problem-solve about amplification concepts and issues. It is important that you understand current hearing aid technology; however, the technology changes quickly, and it’s even more important that you learn how to independently interpret new hearing aid information, and apply knowledge and evidence to clinical situations. Many of the class requirements are structured to give you practice in solving real-world problems in amplification.

### **Student Requirements:**

**You must complete all of the following in order to pass this course:**

#### **Classroom Etiquette, Professionalism, & Attendance**

As doctoral students, I expect you to be prepared for class, and to regularly attend class with an attitude of respect, engagement, enjoyment, and professionalism. Please be aware that distracting behaviors (chatting, texting, sharing notes, leaving the room, etc.) are noticed by everyone and disrupt the class.

I expect you to attend class regularly. I understand that you may occasionally need to miss class for either excused or unexcused reasons; however, repeated absences are not appropriate in this class. Regardless of your reason for missing class, you are responsible for contacting me as soon as reasonably possible and making up any missed work. If you miss more than two classes, I may ask you to provide me with documentation for excused absences. More than two absences for unexcused, undocumented reasons could, depending on the circumstances, result in an improvement plan for lack of professionalism. Excused absences are for reasons such as illness, death in the family, personal or family emergency, etc.

#### **Exams & Presentation**

There will be two in-class exams during the semester. The final class requirement will be a two-part group presentation at the end of the semester. (Some individual presentations may be permitted if desired; check with me as soon as possible in the semester if you would prefer an individual presentation). See the assignment description for more information about the presentation.

#### **Students with Disabilities:**

I would like to hear from anyone who has a disability that requires accommodations. Please contact me as soon as possible at the beginning of the semester.

**Religious Observances:**

I will accommodate religious beliefs according to UWS 22.03 if you notify me within the first three weeks of the semester regarding specific dates that you will need to change course requirements.

**Academic Misconduct:**

Information on the policies that apply to all UW System students and faculty regarding academic misconduct can be found at this UW-Madison website:

<http://www.wisc.edu/students/saja/misconduct/UWS14.html>. Also recall that you are responsible for understanding all six pages available from this link on plagiarism, especially the information on successful and unsuccessful paraphrases:

[http://www.wisc.edu/writing/Handbook/QPA\\_plagiarism.html](http://www.wisc.edu/writing/Handbook/QPA_plagiarism.html). *Plagiarism and/or cheating on any exam or assignment in this class may result in a reduced or failing grade.*

**Grading:**

Your final grade is determined by averaging your *percent correct* (not total number of points) on the following components:

In-class exams (2)	33.33% each
Presentation	33.33%

**Grading Scale**

<b>UW – SP</b> Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F
<b>Percentage</b>	100-92	91.9-90	89.9-88	87.9-82	81.9-80	79.9-78	77.9-72	71.9-70	69.9-68	67.9-60	<60
<b>UW – Madison</b> Letter Grade	A	A-B		B	B-C		C	C-D		D	F

**Objectives for Students:**

The following course objectives line up with the requirements of the American Speech-Language-Hearing Association (ASHA) for certification of audiologists beginning in 2011.

\* I/D/M indicates level of mastery = introductory/developing/mastery

<b>The student will. . .</b>	<b>ASHA Ref</b>	<b>Level I/D/M</b>	<b>Method of Assessment</b>
Demonstrate knowledge of current hearing aid technology, hearing aid fitting procedures (including assessing needs and measuring outcomes), and acoustic characteristics of speech.	C9, D2, D7, F1, F2, F3	D	Exams & presentations
Apply current evidence on hearing aid fitting procedures (including assessing needs and measuring outcomes) and technology to clinical scenarios.	A7, A9, A16, C9, D2, D7, F1, F2, F3	D	Exams & presentations
Apply knowledge of the spectral and temporal short- and long-term acoustic characteristics of speech to clinical scenarios in amplification.	D2	I	Exams & presentations
Describe FDA and WI regulations for hearing aid dispensing, as well as the rationale for the regulations.	D2, state licensure requirement	D	Class participation
Determine patient candidacy for assistive listening devices (ALDs), evaluate and describe the appropriateness of specific ALDs, and demonstrate knowledge of measuring outcomes of ALDs.	D2, D6, D7, F1, F2, F3	D	Exams & presentations

## Class Schedule

The following is a tentative schedule. **\*\*Topics and weeks are subject to change. There will be required reading assignments associated with each topic that will be posted in D2L.** Exam dates are carefully scheduled with several factors in mind (including to coordinate with Amp. I so that you can have extra time), so I would prefer not to change them. If you have multiple exams on the same day or week and would like to request a change, you must do so **no later than Monday, January 30, by 5 pm.** Requests cannot be considered after that time. I will consider all requests made by the deadline, and I will ask for feedback from all members of the class. I cannot guarantee that I will be able to honor all requests.

**Students may also be required to view recorded lectures.**

Day	Date	Topic
W	Jan. 18	Course overview; changes in HA delivery
M	Jan. 23	Assessing needs and measuring outcomes
W	Jan. 25	Assessing needs and measuring outcomes
M	Jan. 30	Assessing needs and measuring outcomes? Noise management technology
W	Feb. 1	Noise management technology
M	Feb. 6	Noise management technology
W	Feb. 8	Noise management technology
M	Feb. 13	HAs and music
W	Feb. 15	Bilateral vs. unilateral candidacy
<b>M</b>	<b>Feb. 20</b>	<b>Class ends at 1:35 for Amp. I exam;</b> Bilateral vs. unilateral candidacy
W	Feb. 22	Bilateral vs. unilateral candidacy
<b>M</b>	<b>Feb. 27</b>	<b>Exam I (extra time at end of class): 1:00-2:15</b>
W	March 1	Options for unilateral & asymmetric HL
M	March 6	Options for unilateral & asymmetric HL; Cochlear dead regions & frequency lowering technology
W	March 8	Cochlear dead regions & frequency lowering technology
M	March 13	Frequency lowering technology
W	March 15	Frequency lowering technology
<b>M</b>	<b>March 20</b>	<b>Spring break</b>
<b>W</b>	<b>March 22</b>	<b>Spring break</b>
M	March 27	FM, ALDs for adults, wireless technology
<b>W</b>	<b>March 29</b>	<b>Class ends at 1:35 for Amp. I exam;</b> <b>Groups &amp; topics for presentation due</b> FM, ALDs for adults, wireless technology
M	April 3	FM, ALDs for adults, wireless technology AR, tinnitus?
<b>W</b>	<b>April 5</b>	<b>No class due to AAA; view recorded lecture on WI practical exam</b>
M	April 10	AR, tinnitus?
W	April 12	AR, tinnitus?

<b>M</b>	<b>April 17</b>	<b>Exam II (extra time at end of class): 1:00-2:25</b>
W	April 19	Presentation introductions: 2-3 groups
M	April 24	Presentation conclusions: same 2-3 groups from 4/19
W	April 26	Presentation introductions: 2-3 groups
M	May 1	Presentation conclusions: same 2-3 groups from 4/26
W	May 3	Presentation introductions: 2-4 groups
<b>Final exam week</b> <b>Monday May 8,</b> <b>noon-1?</b>		<b>Presentation conclusions: same 2-4 groups from 5/3</b>