

**Communicative Disorders 845**  
**Human Balance System: Structure, Assessment, Rehabilitation**  
**University of Wisconsin AuD Program**

**Fall 2018**

**Meeting Times & Locations**

Days: Monday/Wednesday CPS 234

Time: 8:00 – 8:50

**Instructor Information**

Rachel Craig, Au.D.

CPS 046B

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Office: 715-346-4018

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Office Hours: 9-12 PM on Wednesdays, or by appointment.

**Course Materials**

Required Text Book:

Jacobson, G. P., & Shepard, N. T. 2<sup>nd</sup> ed. (2016). *Balance Function Assessment and Management*. San Diego: Plural Publishing, Inc.

NOTE: Please make sure to purchase the newest edition (2<sup>nd</sup>) of this text.

Other Readings may be assigned and posted on D2L.

Online course management:

Desire2Learn (D2L) <http://www.uwsp.edu/d2l/Pages/default.aspx>

**Course Description**

ComD 845: Human balance function with emphasis on vestibular system including neurophysiology, testing and rehabilitation. Clinical experience performing electronystagmography (ENG) and videonystagmography (VNG) examination and analyzing results. Familiarity with rotational and posturography tests and various treatment techniques.

Prerequisites: ComD: 850, 852.

**Course Objectives**

1. Students will demonstrate knowledge of anatomy and physiology related to vestibular and balance function.
2. Students will demonstrate understanding of assessment purpose and techniques, relation of assessments to anatomy, physiology, and function.
3. Students will demonstrate understanding of selecting appropriate management recommendations and techniques related to assessments and balance function.

**ASHA Knowledge/Skill Requirements**

**A2, A10, B2, B5, C2, C3, C6, D3, D5**

## Course Structure

### Class Meetings

Students will meet twice per week for approximately 50 minutes each day. Classes may consist of lectures, student presentations, discussions, in-class assessments, or other activities. Students are expected to attend class prepared, having completed the assigned reading, and to actively participate in discussions.

### Grading

<b>UW – SP</b> Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F
<b>Percentage</b>	100-92.00	91.99-90.00	89.99-88.00	87.99-82.00	81.99-80.00	79.99-78.00	77.99-72.00	71.99-70.00	69.99-68.00	67.99-60.00	<60
<b>UW – Madison</b> Letter Grade	A	A-B		B	B-C		C	C-D		D	F

Your final grade will be determined by the percent of points you earn out of a possible 329:

<b>Assessment</b>	<b>Number</b>	<b>Points</b>	<b>Total Points</b>	<b>%</b>
Midterms	2	50	100	30.40
Final Exam	1	100	100	30.40
Assignments	10	10	100	30.40
Attendance/Participation			29	8.81
			329	100.00

Refer to the course schedule. This schedule is tentative and subject to change. Any changes will be announced in class, by email, or on D2L.

### Late assignments/make-up exams:

Any missed assignments/exams (e.g., due to illness, family emergency on day of exam), may or may not be made up, at the discretion of the instructor. Advance notification, if possible, should be given.

### Academic Conduct

You are responsible for keeping track of points earned on assessments in case there is a discrepancy between your records and the instructor's records. All discrepancies must be brought to the attention of the instructor by the time of the final examination.

Please refer to the Division of Student Affairs for a description of your rights and responsibilities:

<http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilities.aspx>

Please refer to UWSP Academic Affairs for other information pertaining to academic conduct; in particular, see the University handbook.

<http://www.uwsp.edu/acadaff/Pages/handbook.aspx>

**D2L for this course may be linked to turnitin.com for plagiarism detection.**

### Academic Misconduct

Academic misconduct will not be tolerated, and the UWSP Student Misconduct procedures will be followed for any instances of academic misconduct.

### Other General Policies

#### Accommodation for Religious Beliefs:

I will accommodate religious beliefs according to UWS 22.03 if you notify me within the first 3 weeks of the semester regarding specific dates with which you have conflicts.

#### Accommodation for disability or special learning needs:

If any student has a documented disability and requires accommodations in meeting these requirements, please see me as early as possible in the semester to discuss accommodations. Please note that I cannot apply accommodations retroactively to a class requirement that you've already completed. Thus, if you are unsure whether or not you need an accommodation, it is best to discuss the possibility with me beforehand, and we can then decide the best way to proceed.

#### Regarding the Use of On-Line/Electronic Means to Hand in Assignments:

This course will utilize D2L. Any known problems with the D2L system (e.g., if the system is down) will be acknowledged and addressed if/as these problems arise. However, problems with D2L or other computer problems will not be recognized as a valid reason for not turning in other assignments by the assigned date/time. For example, a computer crash is not an acceptable reason for not turning in your assignment. If computer problems persist, you may turn in a paper copy to the instructor, or to the instructor's mailbox in CPS, or email.

Plan ahead and be organized to minimize computer difficulties.

Save your work early & often, and back it up.

UWSP Information Technology has a help desk, <http://www.uwsp.edu/infotech/Pages/default.aspx>, and can be reached by phone at 346-4357.

See their information regarding computer labs on campus and other topics:

<http://www4.uwsp.edu/it/students.aspx>

#### Regarding the Use of Computers/Tablets & Assorted Electronics/Devices During Class:

In general...computers/tablets may be used as note-taking devices. However, if this privilege is abused (e.g., g-chat, other assorted non-class activities, or if these devices become a distraction to students and/or the instructor), this privilege may be revoked at any time by the instructor. Phones are expected to be off/silent and not used during class! If you are using any other sort of electronics/device, check with the instructor regarding the policy.

#### Professionalism:

This class is part of your training for your professional career. Professional behavior and attitude are expected. This includes, but is not limited to, respect and tolerance of others, and acting responsibly and with integrity.

For examples of Codes of Ethics for Speech and Hearing Professionals, see:

American Academy of Audiology Code of Ethics

<http://www.audiology.org/resources/documentlibrary/Pages/codeofethics.aspx>

Or

American Speech-Language Hearing Association Code of Ethics

<http://www.asha.org/policy/ET2010-00309/>

**Please communicate any other concerns or accommodation requests to the instructor.**

**Course Schedule:**

The course schedule is tentative and subject to change; however, the schedule for exams will not change.

Day	Date	Topic	Required <i>Textbook</i> Reading (Additional required readings may be posted on D2L). /Assignments due
Wed	September 5	Intro to the course, instructor, and students	Read syllabus, review schedule
Mon	September 10	Temporal Bone, Inner Ear	Chapters 1 & 2
Wed	September 12	Inner Ear II	
Mon	September 17	Eye	<u>Assignment 1 Due by 8am</u>
Wed	September 19	Cranial Nerves (ICA)	
Mon	September 24	Central Pathway	<u>Assignment 2 Due by 8am</u>
Wed	September 26	Reflexes	<u>Assignment 3 Due by 8am</u>
Mon	October 1	Application/Review/Catch-up	
<b>Wed</b>	<b>October 3</b>	<b>Midterm Exam</b>	
Mon	October 8*	ENG/VNG Intro/Case history	Chapters 5 & 6
Wed	October 10	Oculomotor tests	Chapters 9 & 10
Mon	October 15	Oculomotor tests Con't.	<u>Assignment 4 Due by 8am</u>
Wed	October 17*	Positional	Chapter 11
Mon	October 22	Calorics I	Chapters 12 & 13
Wed	October 24	Calorics II	<u>Assignment 5 Due by 8am</u>
Mon	October 29*	Rotational Chair	
Wed	October 31	Posturography/Gans SOP	Chapters 18 & 19
Mon	November 5	Posturography Con't.	<u>Assignment 6 Due by 8am</u>
Wed	November 7	VEMPs I	Chapters 20 & 21
Mon	November 12	VEMPs II/Laws/Review	
<b>Wed</b>	<b>November 14</b>	<b>Midterm Exam</b>	
Mon	November 19	Medical management	Chapter 27/ <u>Assignment 7 Due by 8am</u>
<b>Wed</b>	<b>November 21</b>	<b>No Class. Happy Thanksgiving!</b>	
Mon	November 26	Catch-up	<u>Assignment 8 Due by 8am</u>
Wed	November 28	Fall Risk/QOL	Chapter 8 & 33
Mon	December 3	PPPD/CSV	Chapter 30/ <u>Assignment 9 Due by 8am</u>
Wed	December 5	Vestibular Rehabilitation	Chapter 31
Mon	December 10	Case Reports	<u>Assignment 10 Due by 8am</u>
Wed	December 12	Case Reports/Wrap-up	
Wed	December 19	<b>Final Exam 8:00-10:00am</b>	

ICA: In-class Activity

\*Possible guest lectures