

**University of Wisconsin-Madison  
&  
University of Wisconsin-Stevens Point  
CS&D 845 (3 credits)  
Human Balance System: Structure, Assessment, Rehabilitation  
University of Wisconsin AuD Program  
Fall 2022  
INSTRUCTIONAL MODALITY:  
In-person.**

**Meeting Times & Locations**

Days: Monday/Wednesday

Time: 8:30-9:45am

**Instructor Information**

Rachel Craig, Au.D., CCC-A

CPS 046B

[rcraig@uwsp.edu](mailto:rcraig@uwsp.edu)

Office: 715-346-4018

Cell: 715-803-5281 (texting is allowed)

Office Hours: 10-12 pm on Mondays & Wednesdays, or by appointment.

**Course Materials**

Required Textbook:

Jacobson, G. P., Shepard, N. T., Barin, K., Janky, K., McCaslin, D., & Burkard, R. F. (2019). *Balance function assessment and management: Third edition*. ProQuest Ebook

Central <https://ebookcentral.proquest.com>

Other Readings may be assigned and posted on Canvas.

Online course management:

Canvas <https://www.uwsp.edu/canvas/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/Learning Outcomes**

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.

**REGULAR AND SUBSTANTIVE STUDENT-INSTRUCTOR INTERACTION**

Instructor will engage with students via direct instruction, via feedback on student work, and by providing information about the course content. Instructor will regularly interact with students at scheduled class times and additionally as requested during office hours. This interaction is completed minimally twice per week. Class meetings will include instructor presentations, discussions, exams, skill development exercises, and in-class small-group work.

This class meets for two, 75-minute class periods each week over the fall semester and carries the expectation that students will work on course learning activities (reading, writing, studying, etc.) for about 3 hours out of the classroom for every class period. This syllabus includes more information about meeting times and expectations for student work.

**KASA/CFCC 2020 Standards**

**A17/A18/B1-Students in this course will demonstrate competency by obtaining a passing grade on three exams.**

**C14-Students in this course will demonstrate competency by obtaining a passing grade on the final examination, as well as passing grade on the VEMP assignment.**

**C17/C18/C19-Students in this course will demonstrate competency through multiple assignments and obtaining a passing grade on three exams.**

**E26-Students will demonstrate competency by obtaining a passing grade on the final exam.**

**Course Structure**

**Class Meetings**

Students will meet twice per week for approximately 75 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 Letter Grade</b>	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 Letter Grade</b>	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 Canvas.

### **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>

**Canvas 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 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 Canvas. Any known problems with the Canvas system (e.g., if the system is down) will be acknowledged and addressed if/as these problems arise. However, problems with Canvas 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 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/>

## **Commitment to Inclusion and Equity/COVID-19**

**I would like to build a learning environment for students that supports different thoughts, perspectives, and experiences, and honors your identities (including race, gender, class, sexuality, religion, ability, etc.). I also understand that the current crisis of COVID, economic disparity, and health concerns could impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. If you feel like your performance in the class is being impacted by your experiences outside of class, please do not hesitate to come and talk with me. I want to be a resource for you!**

**The University of Wisconsin-Stevens Point recognizes that this is a difficult time which may be filled with uncertainty as we move forward with the academic year. Your safety, health, and well-being, as well as that of our faculty and staff are our primary concern and we want to be able to support you in any way that we can.**

**The University understands that at this time you may be facing some obstacles that would make it difficult to meet your academic goals. Please use the Student Resources page on the UWSP Coronavirus (COVID-19) website for information and resources on basic needs such as housing, food, financial aid, and medical and mental health. The webpage also offers information on official University communications, access to technology, and student services.**

**You are not alone, and together we will navigate these extraordinary and difficult times.**

**\*Revised from Marquette Raynor Memorial Libraries\***

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

**The course schedule can be found on the next page. 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 Canvas). /Assignments due
Wed	September 7	Intro to the course, instructor, and students/Temporal Bone	Read syllabus, review schedule, Chapter 1
Mon	September 12	Inner Ear I	Chapter 4
Wed	September 14	Inner Ear II	
Mon	September 19	Eye	Chapter 3
Wed	September 21	Cranial Nerves (ICA)	<u>Assignment 1 Due by 8am</u>
Mon	September 26	Vestibular Central Pathway	<u>Assignment 2 Due by 8am</u>
Wed	September 28**	ENG/VNG Intro: Dr. Henry	Chapter 5
Mon	October 3	Reflexes: VOR/Review	<u>Assignment 3 Due by 8am</u>
<b>Wed</b>	<b>October 5</b>	<b>Midterm Exam</b>	
Mon	October 10	Case history	Chapter 7
Wed	October 12	Oculomotor tests	Chapter 10
Mon	October 17	Oculomotor tests Con't.	<u>Assignment 4 Due by 8am</u>
Wed	October 19	Positional	Chapters 9 & 11
Mon	October 24	Calorics I	Chapters 12
Wed	October 26	Calorics II	<u>Assignment 5 Due by 8am</u>
Mon	October 31	Posturography/vHIT	Chapters 15
Wed	November 2**	Rotational Chair: Dr. Stoelb	Chapters 13
Mon	November 7	VEMPs I	Chapter 16 <u>Assignment 6 Due by 8am</u>
Wed	November 9	VEMPs II	
Mon	November 14	Review/Catch-up	
<b>Wed</b>	<b>November 16</b>	<b>Midterm Exam</b>	<u>Assignment 7 Due by 8am</u>
Mon	November 21	Head Turn Tests/vHIT	Chapter 14
<b>Wed</b>	<b>November 23</b>	<b>No Class Meeting.</b>	
Mon	November 28	Dizziness related QOL	Chapter 8 <u>Assignment 8 Due by 8am</u>
Wed	November 30	Fall Risk	Chapter 25
Mon	December 5	PPPD/CSV	Chapter 23 <u>Assignment 9 Due by 8am</u>
Wed	December 7**	Vestibular Rehabilitation/ Compensation: Dr. Sheehan	Chapter 24/Chapter 6 <u>Assignment 10 Due by 8am</u>
Mon	December 12	Medical management	Chapter 20
Wed	December 14	Review	
<b>Mon</b>	<b>December 19</b>	<b>Final Exam 8:00am-10:00am</b>	

\*\*Possible guest lectures; ICA: In-class Activity