**Communication Sciences & Disorders 845**

**Human Balance System: Structure, Assessment, Rehabilitation**

**University of Wisconsin AuD Program**

**Fall 2020**

**Meeting Times & Locations**

 Days: Wednesdays **via Zoom through Canvas** Time: 9:00 – 10:40

**Instructor Information**

Rachel Craig, Au.D.

CPS 046B

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Office: 715-346-4018

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

Office Hours (virtual): Mondays 10:30am-12pm & Wednesdays 11:00am-12pm, or by appointment.

**Course Materials**

Required Textbook:

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

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

Other Readings may be assigned and posted on Canvas.

Online course management:

Canvas [https://www.uwsp.edu/canvas/Pages/default.aspx](https://www3.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**

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.

**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 once per week for approximately 100 minutes. 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**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **UW – SP** Letter Grade | A | A- | B+ | B | B- | C+ | C | C- | D+ | D | F |
| **Percentage** | 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 |
| **UW – Madison** Letter Grade | A | A-B | B | B-C | C | C-D | D | F |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment** | **Number** | **Points** | **Total Points** | **%** |
| 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.  |

**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 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 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 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.**

**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\***

**Course Schedule:**

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

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| --- | --- | --- | --- |
| **Day** | **Date** | **Topic** | **Required *Textbook* Reading (Additional required readings may be posted on Canvas). /Assignments due** |
| Wed | September 2 | Intro to the course, instructor, and students Temporal Bone, Inner Ear I | Read syllabus, review schedule Chapters 1 & 2 |
| Wed | September 9 | Inner Ear II, Eye |  |
| Wed | September 16 | Cranial Nerves, Central Pathway, Reflexes | ***Assignment 1 Due by 8am*** |
| Wed | September 23 | Application/Review/Catch-up | ***Assignment 2/3 Due by 8am*** |
| **Wed** | **September 30** | **Midterm Exam** |  |
| Wed | October 7\* | ENG/VNG Intro/Case history, Oculomotor tests | Chapters 5 & 6 Chapters 9 & 10 |
| Wed | October 14 | Oculomotor tests Con’t., Positional | Chapter 11***Assignment 4 Due by 8am*** |
| Wed | October 21 | Calorics I & Calorics II | ***Assignment 5 Due by 8am*** Chapters 12 &13 |
| Wed | October 28\* | Posturography & Rotational Chair | Chapters 18 & 19 |
| Wed | November 4 | VEMPs I & VEMPs II | Chapters 20 & 21***Assignment 6/7 Due by 8am*** |
| **Wed** | **November 11** | **Midterm Exam** |  |
| Wed | November 18 | Fall Risk/QOL & Medical management | Chapter 27, Chapter 8 & 33  |
| **Wed** | **November 25** | **No Class. Happy Thanksgiving!** | ***Assignment 8 Due by 8am*** |
| Wed | December 2 | PPPD/CSV, Vestibular Rehabilitation | Chapter 30 &31***Assignment 9 Due by 8am*** |
| Wed | December 9 | Case Reports/Wrap-up | ***Assignment 10 Due by 8am*** |
| Wed | December 16 | **Final Exam TBD** |  |

\*Possible guest lectures