CSD796 Independent Study

Gross anatomy of the head

Summer Semester 2019

University of Wisconsin – Stevens Point

School of Communication Sciences and Disorders

Instructor: James Barge M.S. CCC-SLP

Office hours: Please see schedule on door

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Class periods: Section 1: Monday 10:00 – 11:35 lecture format

Section 2: Monday 12:00 – 1:35 lecture format

Textbook**:** Atlas of Neuroanatomy for Communication Sciences and Disorders, Second Edition

Edited by Leonard L. LaPointe

Outcomes:

1. Students will acquire an understanding of the anatomical basis for communication, cognition and swallowing.
2. Students will acquire an understanding of the relationships between processes affecting human anatomy and physiology, neuroanatomy and neurophysiology and the subsequent impact on communication, cognition and swallowing.

This course meets the following ASHA standards: III A-principles of human anatomy and physiology, neuroanatomy and neurophysiology; III B-biological and neurological process of communication and swallowing; III D-anatomical and physiological differences of human communication and swallowing.

Voice and Resonance

III C Anatomical: Identify various structures of the head and neck

Identify structural abnormalities of tissue that impact voice

III D Assessment: Identify abnormal structures related to area of study and describe potential communication problems.

Swallowing

III C Anatomical: Identify structural abnormalities of tissue that impact swallowing

III D Assessment Identify abnormal structures and describe potential swallowing problems

Cognition/Language

III C Anatomical Identify structural abnormalities of tissue that impact communication

III D Assessment Identify abnormal structures and describe potential communication/cognitive problems

Examinations: There will be no examinations

Project:

There will be one project during this course. This project will be assigned to groups of 2-3 people and will involve presentation of a topic relating to human anatomy and the relationship upon communication, cognition and/or swallowing. This presentation will be made available to other students and faculty members during the eighth week of this course.

Grade determination: Project is worth 100 points

Grading: Grades are derived from a percentage of total point accumulation:

A	95.51 to 100%	A-	92-95.5
B+	88-91.99	B	84-87.99
B-	80-83.99	C+	77-79.99
C	74-76.99%	C-	70-73.99

Accommodations: Reasonable accommodations are available for students who have a documented disability. Accommodations may include modifications of testing. Please notify the instructor during the initial week of class if you require accommodations. All accommodations must be approved through the Office for Students with Disabilities in the Student Services Center.

Expectations of Students:

- Arrive to class on time, be prepared to actively participate in discussion.

- Ask instructor for clarification.
- Have textbook and other materials available.
- Maintain a respectful and professional demeanor towards all human tissue.
- Wear gloves when inspecting cadaveric tissue.
- Review terminology of each unit prior to each lab.
- No photography is allowed under any circumstances
- No food will be brought into room 024.
- No human tissue/material will leave room 024.
- No visitors to the class unless approved by the instructor.

Instructor Expectations:

- Be prepared for class
- Begin and end class on time
- Announce any amendments to the syllabus.
- Answer student questions
- Meet with students out of class as needed
- Treat the students with respect
- Grade project promptly
- Learn along with you.

Emergency Procedures:

In the event of a medical emergency, call 911 or use red emergency phone located in the hall. Offer assistance if trained and willing to do so. Guide emergency responders to victim.

In the event of a tornado warning, proceed to the lowest level interior room without window exposure. Go to the center hall in the Speech, Language and Hearing Clinic. Avoid wide-span rooms and buildings.

In the event of a fire alarm, evacuate the building in a calm manner. Meet 200 yards away from building. Notify instructor or emergency command personnel of any missing individuals.

Active Shooter - Run/Escape, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions from emergency responders.

Course Outline:

June 17

Introduction, anatomical planes layers of skin, adipose, facia, neck muscles, hyoid, larynx

Condition: laryngeal cancer, structural pathologies of the larynx

June 24

Trachea, esophagus, thoracic cavity, phrenic nerve, diaphragm

Conditions: tracheostomy, cricoidotomy, tracheal-esophageal fistula, spinal cord injury

July 1

Circulatory System, arteries, venous system, circle of Willis, aneurysm

Conditions: ischemic stroke, hemorrhagic stroke, ruptured aneurysm, artery dissection, subarachnoid hemorrhage

July 8

Cranial nerves, skull, foramen, brainstem

Conditions: locked in syndrome, amyotrophic lateral sclerosis, lateral medullary syndrome, epidural hemorrhage

July 15

Subcortical brain, basal ganglia, cerebellum, fiber tracts, visual pathway

Conditions: Parkinson's Disease, Huntington's Chorea, ataxia, multiple sclerosis, hemianopia

July 22

Cortical surface of brain, sulci, gyri, lobes, insula, functional organization

Conditions: Broca's aphasia, Wernicke's aphasia, Right hemisphere dysfunction, Frontal-temporal dementia, visual agnosia, acquired apraxia of speech, alexia without agraphia

July 29

Ventricles, hippocampus, amygdala, meninges

Conditions: subdural hematoma, intracerebral hemorrhage, normal pressure hydrocephalus, meningitis, meningioma, Alzheimer's Disease

August 5

Final, project presentation