

# Minnesota State University Moorhead

## SLHS 402: Neuroanatomy/Physiology of Communication and Swallowing

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

- SLHS 202 - Anatomy and Physiology of Normal Speech and Hearing

Corequisites: None

MnTC Goals: None

The study of the Central, Peripheral, and Autonomic Nervous Systems. Neuroanatomy and Physiology of Swallowing, Speech, Language, Hearing, Somatosensory System, and the Primary Sensory and Motor Cortices. Introduction to Dysphagia, Aphasia, Dysarthria, Apraxia, Traumatic Brain Injury and the Neuroanatomy affected by these conditions as they relate to the work of the Speech-Language Pathologist, Speech Scientist, and Audiologist.

**B. COURSE EFFECTIVE DATES:** 06/01/1995 - Present

## C. OUTLINE OF MAJOR CONTENT AREAS

1. Human Neuroanatomy studying the central, peripheral, and autonomic nervous systems as they relate to speech, language, hearing, voice, swallowing, and fluency.
2. Human Physiology studying the neurochemical, physiological changes that occur in humans that affect speech, language, voice, hearing, swallowing, and fluency.

## D. LEARNING OUTCOMES (General)

1. Students will be able to define and list the various components of the Central, Peripheral, and Autonomic Nervous systems that help produce and control human voice, speech, language, swallowing, hearing, and fluency.
2. Students will be able to name and describe the components of human physiology that affect the productions of speech, voice, language and swallowing.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted