

**CSDS 455: Neurology for Human Communication  
Spring, 2008 Online**

**TENTATIVE SYLLABUS**

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Course Schedule: January 14, 2008 until April 25, 2008 Virtual Office Hours: Monday 6-8 pm EST Blackboard's Collaboration Lecture Hall	Technical support: Longwood Univ. Help Desk <a href="mailto:help@longwood.edu">help@longwood.edu</a> or try Clicking on "Getting Started" on Blackboard site

**Course Description:**

An overview of neurology as it relates to communication and communication disorders 3 credits. Prerequisites: CSDS 313

**Required Texts:**

Webb, W. & Adler, R. (2008). *Neurology for the speech-language pathologist* (5<sup>th</sup> ed.). Boston, MA: Butterworth and Heinemann.

Bhatnager, S.C. (2007). *Neuroscience for the study of communicative disorders*, (3<sup>rd</sup> ed.). Philadelphia, PA: Lippincott, Williams & Wilkins.

*Note: You may order your textbook online by sending your request directly to the bookstore manager at <http://longwood.bkstore.com/default.asp?m=0601> or by visiting [www.amazon.com](http://www.amazon.com). You should allow at least 10-14 days for delivery.*

**Additional References:**

Johnson, A., & Jacobson, B. (2007). *Medical Speech-Language Pathology: A Practitioner's Guide* (2<sup>nd</sup> ed.). New York, NY: Thieme.

Nolte, J. (2002). *The human brain: An introduction to functional anatomy*, 5<sup>th</sup> Ed. St. Louis, MO: Mosby.

Seikel, J., King, D., & Drumright, D. (1997). *Anatomy and physiology for speech, language, and hearing*. San Diego, CA: Sing. Pub. Group.

Additional resources and web links are available on the Blackboard site.

## Course Objectives:

The following conceptual framework competencies guide the planning and delivery of instruction in this course. Specific course objectives reflect this framework as they focus on the needs of the learners for developing skills as professionals who will be knowledgeable, caring and ethical decision-makers.

### Longwood Conceptual Framework Competencies

CFC 1 – Plan for Instruction

CFC 2 – Implementation and Management of Instruction

CFC 3 – Evaluation and Assessment

CFC 4 – Knowledge of Subject

CFC 5 – Behavior Management

CFC 6 – Communication Skills

CFC 7 – Professional Responsibilities

CFC 8 – Technology

CFC 9 – Diversity

### KASA Standards (applicable to this course)

Standard III-B. Demonstrate knowledge of basic human communication and swallowing processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases

Upon completion of this course, learners should be able to:

1. describe the organization of the brain, including lateralization, lobes, brainstem, and cerebellum (CFC 4, KASA III-B)
2. describe hemisphere dominance for language (CFC 4, KASA III-B)
3. explain the function of the cranial nerves associated with human communication (CFC 4, KASA III-B)
4. describe the functional categorizations of the nervous system (CFC 4, KASA III-B)
5. explain neurons, synapses and the mechanisms of actions (CFC 4, KASA III-B)
6. describe the descending and ascending motor and sensory pathways (CFC 4, KASA III-B)
7. describe the blood flow to the brain, including the circle of willis and the cerebral arteries (CFC 4, KASA III-B)
8. discuss normal aging and its impact on the central nervous system (CFC 4, KASA III-B)
9. explain impact of stroke and traumatic brain injury to the brain (CFC 4, 7, KASA III-B)

## Course Organization:

The course content will be organized into six modules:

Module 1: Introduction to the Course

Module 2: Building Blocks and Organizational Structure of the Nervous System

Module 3: The Human Brain

Module 4: The Circulatory System

Module 5: Cranial and Peripheral Nerves

Module 6: Motor and Sensory Functions

Module 7: Developmental Neurology and Normal Aging

Module 8: Review for exam

In general, modules are posted for a two week period. All assignments and activities are to be completed in the posted time frame. For each of the modules, learners will complete assigned readings (text and online readings), complete an online and/or PowerPoint tutorial, participate in a discussion forum, complete an ApplyIt! application assignment and create a study guide. Learners will complete an online midterm and final exam. Learners will also participate in periodic formative assessments aimed at providing feedback on course structure and design.

## Course Policies:

Policy on Response to Learner Communication or Assignment. Interaction between learners and the instructor is an important component to the success of online learning. Learners can expect timely responses from the instructor (generally within one to two business days). Learners can expect verification of receipt of assignment within two-three business days after assignment due date. Communications or assignments which are sent late Friday or on weekends or holidays will be addressed on the next business day. The instructor will not be available during spring break. When possible, the instructor will notify learners in advance of days when not available.

Interaction with Instructor. The instructor will be available “live” each Monday from 6 pm until 8 pm EST through Blackboard. Enter Blackboard, select “Communication” from the menu and then choose “Collaboration.” Join the “Office Hours” area. This is optional for learners. Topics will be posted in advance. The instructor is available by email and telephone.

Assignment Due Dates- all assignments will be due on the last posted day of the module. Typically, quizzes will be on the last day unless otherwise posted. Be sure to participate in the discussion boards early and frequently for best responses and participation.

Responsibilities of the Learner- all learners are expected to abide by the Honor Code, and respect the intellectual property and copyright of others. Learners are expected to complete all assignments in a timely manner, including group projects. Learners agree to interact with others in the course in a courteous and professional manner, recognizing the value of others opinions. Learners will recognize that they are part of a larger community of learners and that their diligent and regular participation in this course is to the benefit of all learners.

Policy on Late Work. Learners are expected to submit assignments by the designated date. Submit assignments through the Blackboard site whenever possible. If the links are not functioning within Blackboard, email the assignment to the instructor. Work may be submitted late but may be charged a 5% penalty of total possible points for each day occurring after due date until date of actual submission, but limited to a total of 30% of possible points. It is important that you notify the instructor as soon as possible if you are experiencing any problems with an assignment. This does not apply to late submission due to technical failure.

All coursework must be submitted no later than April 25<sup>th</sup>. The final exam will be posted April 29<sup>th</sup> unless otherwise announced.

Extra credit – There will be no opportunity for extra credit work in this course.

Honor Code: Learners enrolled in this course are expected to abide by the Longwood University Honor Code when completing assignments and interacting with learners. This code is an affirmation of personal integrity and an acceptance of personal responsibility. For more information about Longwood's Honor Code visit <http://www.longwood.edu/judicial/the%20philosophy%20of%20The%20Honor%20Code.htm> Learners will be expected to read and sign a statement of the academic pledge at the beginning of the course. It is understood that this code applies to all works submitted as part of this course. A copy of the academic pledge document may be found on Blackboard in "Course Documents." Suspicion of any honor-related violation will be investigated and university policy will be followed.

Disability Statement: The instructor is willing to meet reasonable accommodations for any learners with a documented disability. The learner should submit supporting material to the Longwood University Academic Support Center which will then inform the instructor of the necessary accommodations. Submit the necessary documentation by the end of the first scheduled day of the online class.

## Course Requirements:

Blackboard.longwood.edu - Each learner is responsible for verifying his or her access to Blackboard, CSDS 455. Announcements will be posted as needed throughout the week. Documents and discussions will be made available as needed across the duration of the course. Use Internet Explorer to access Blackboard.

Discussion Boards – Enter Blackboard and select “Communication” from the menu of choices. Then select “Discussion Board.” At least one discussion topic will be posted for each module. Learners are expected to participate in all discussion forums. Each learner will read all peer posts and will select at least two posts for reply. Revisit the discussions often throughout the module. This is where a majority of learning takes place! Discussion contributions will be evaluated as to quality of response as well as quantity of responses. A scoring rubric will be posted on Blackboard in the “Assignments” folder.

Online Tutorials or PowerPoint presentations – each module will include an online tutorial and/or PowerPoint presentation. Learners will be required to download all necessary plug ins (free). Please contact tech help desk for questions or concerns with a plug in (i.e. WinZip, Adobe Acrobat, etc)

Apply It! – each module will have an assignment titled “Apply It!” These assignments focus on the application of the content material. These assignments may be individual or group efforts per instructions. Group work will be required within the course.

Study Guides- each learner will be required to complete a study guide with an answer key for modules 2-7. The study guides will be in text and/or graphic format (i.e. concept map). Complete instructions are available on Blackboard.

Midterm and Final Exam: The midterm and final exam will require the student to demonstrate an ability to apply the learning related to neurology of human communication. The examinations will be available online. Additional information about the exam will be provided.

<b>Requirement</b>	<b>Possible Points Awarded</b>
Discussion Board	100 points (10 points each)
ApplyIt! Assignment	200 points (variable points each)
Study Guides	100 points (variable points each)
Midterm and Final	100 points (50 points each)
<b>Total Points</b>	<b>500 points</b>

Grading Scale:

A+	488-500 points
A	470-487 points
A-	450-469 points
B+	438-449 points
B	420-437 points
B-	400-419 points
C+	388-399 points
C	370-387 points
C-	350-369 points
D+	338-349 points
D	320-337 points
D-	300- 319 points
F	0 – 299 points

Note: If you already have a bachelor's degree, you are considered a graduate student. Longwood University does not allow a grade of D for graduate students; therefore, if you earn less than a C-, the grade will be F.