California State University, Sacramento
Department of Communication Sciences and Disorders

SPHP 111 Anatomy and Physiology of the Speech Mechanism
Fall 2017

Instructor: Kris Courtwright, MS, CCC-SLP
Email: kristin.courtwright@csus.edu
Office: Shasta Hall, Room # TBA
Office Hours:
Phone: 916-367-1024
Class Location: FLS 1049
Class day/time: Tuesday & Thursday 7pm-8:15pm

Required Text
Speech and Hearing Science: Anatomy and Physiology- 4th Edition by: Willard Zemlin

Course Description
Anatomical, physiological and neurological bases of speech. Covers development, normal structure and function. A general course in human anatomy is recommended as background.

Learning Objectives
Students will be able to identify and describe the typical anatomy, physiology, and neurology of respiration, phonation, articulation, and resonance for voice.

Accommodations
If course accommodations are needed due to a disability, please make an appointment with the instructor or speak to the division for Services to Students with Disabilities (SSWD) at Lassen Hall 2302.

Honor Code
It is the obligation of faculty and other students to report potential honor code violations. All honor code violations will be reported. http://www.csus.edu/umanual/student/stu-0100.htm

COURSE REQUIREMENTS:
1. Students are responsible for all material in lectures, information added by instructor on Blackboard, and labs as well as the material in the required textbook. If you miss a class, you are responsible for attaining the covered material or completing the lab out of class.

2. Five examinations
   a. Examinations may consist of picture identification, short answer, long answer, fill-in-the-blank, brief description, matching, and multiple choice questions.
   b. Exams will be worth 100 points each.

3. Five Quizzes
   a. Quizzes will be may consist of picture identification, short answer, long answer, fill-in-the-blank, brief description, matching, and multiple choice questions.
   b. Quizzes will be worth 20 points each.

4. Five Labs
   a. Projects will be worth 20 points.
   b. Projects are due the class period immediately following their assignment.

Extra Credit opportunities may be offered during the semester and will be announced in class.

**EVALUATION:**

1. 5 written examinations  500 pts.
2. 5 quizzes  100 pts.
3. 5 labs  100 pts.

Spelling matters. This is your professional vocabulary and you have to know it. 1 pt. will be deducted for each spelling error on all your written work.

Final grades will be based on a 700-point total and will be distributed as follows:


**EXPECTATIONS:**

Students are expected to attend class regularly, prepared to participate in class discussions. Assignments and exams must be turned in or taken on the scheduled dates and times. No special circumstances will be allowed for rescheduling.

If you are absent from class, you are responsible for all material covered.

**Cell phones are to be on silent and put away throughout the class period.** Students are expected to conduct themselves in a manner that demonstrates respect for others. If you need to be reached during the class, please step outside of the classroom.
It is recommended that students:

1. Retrieve the outlines and PowerPoints from SacCT/Blackboard before each class. The syllabus, PowerPoint slides, and outlines of class topics will be posted on SacCT in Course Content.
2. Read the text ahead of class to correlate readings with information presented in lecture to reinforce learning.
3. Take notes in class

Study until you know the material. A teacher does not give you a grade. You EARN your grade.

**TENTATIVE CLASS SCHEDULE:**

The following is a tentative schedule and may be adjusted to meet the needs of the class. All changes will be announced in class.

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATES of CLASS</th>
<th>TOPIC</th>
<th>READING</th>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/28 to 9/1</td>
<td>Review syllabus Nomenclature</td>
<td>Read pgs. 1-32</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>9/4 to 9/8</td>
<td>Airway Respiratory Physics</td>
<td>Read 34-43, 76-96</td>
<td>Quiz</td>
</tr>
<tr>
<td>3</td>
<td>9/11 to 9/15</td>
<td>Structures for breathing, muscles for breathing</td>
<td>Read 43-54, 55-76</td>
<td>Quiz</td>
</tr>
<tr>
<td>4</td>
<td>9/18 to 9/22</td>
<td>Catch up, review, discussion</td>
<td></td>
<td>1st Exam</td>
</tr>
<tr>
<td>5</td>
<td>Sep 25 &amp; Sep 29</td>
<td>Laryngeal Structures Intrinsic and extrinsic laryngeal muscles</td>
<td>Read 101-120, 121-136</td>
<td>Quiz</td>
</tr>
<tr>
<td>Week</td>
<td>Dates</td>
<td>Topics</td>
<td>Reading Material</td>
<td>Type</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------------------------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>6</td>
<td>10/2 to 10/6</td>
<td>Laryngeal Physiology, Intro to Deglutition</td>
<td>Read 137-176, 177-180</td>
<td>Lab</td>
</tr>
<tr>
<td>7</td>
<td>10/9 to 10/13</td>
<td>Review, Pharynx, Structures of Skull and Teeth</td>
<td>Read 226-233, 251-258, 198-225, 239-251</td>
<td>Exam 2</td>
</tr>
<tr>
<td>8</td>
<td>10/16 to 10/20</td>
<td>Library Meeting for project</td>
<td></td>
<td>Lab</td>
</tr>
<tr>
<td>9</td>
<td>10/23 to 10/27</td>
<td>Structures of Skull and Teeth (continued)</td>
<td>Read 198-225, 239-251</td>
<td>Quiz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Intrinsic and extrinsic muscles of the oral and pharyngeal cavities</td>
<td>Read 233-238, 259-278</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>10/30 to 11/3</td>
<td>Development mastication and deglutition, Catch Up, Review</td>
<td>Read 520-528, 280-281</td>
<td>Exam 3</td>
</tr>
<tr>
<td>11</td>
<td>11/6 to 11/10</td>
<td>CNS and PNS, Cranial nerves and motor neurons</td>
<td>Read 319-327, 356-367, 401-406, 367-381, 406-410</td>
<td>Lab</td>
</tr>
<tr>
<td>12</td>
<td>11/13 to 11/17</td>
<td>Structures of the Brain</td>
<td>Read 327-356</td>
<td>Lab</td>
</tr>
<tr>
<td>13</td>
<td>11/20 to 11/25</td>
<td>Catch up, Review</td>
<td></td>
<td>Lab</td>
</tr>
<tr>
<td>14</td>
<td>11/27 to 12/1</td>
<td>Intro to Auditory System, Auditory Structures</td>
<td>Read 435-477</td>
<td>Exam 4</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Auditory Pathways</td>
<td>Read 477-507</td>
<td>Quiz</td>
</tr>
<tr>
<td>Date</td>
<td>Topic</td>
<td>Notes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/27 to 12/1</td>
<td>Auditory Physiology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/4 to 12/9</td>
<td>Final Exam. Date and time TBD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Exam 5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CSAD 111 Anatomy and Physiology of the Speech Mechanism

This course has been designed to be in direct support of the following American Speech-Language Hearing Association (ASHA) Knowledge and Skills Acquisition for certification in Speech-Language Pathology:

Standard IV-A

The student will demonstrate prerequisite knowledge of the biological sciences.

Standard IV-B: Basic Human Communication Processes

The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: biological bases of human communication.

The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: neurological bases of human communication.

Standard IV-B: Swallowing Processes

The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: biological bases of human communication.

The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: neurological bases of human communication.