HCT132 Anatomy and Physiology Syllabus

Course Information

Credits 4  
Campus Washburn Institute of Technology  
Address 5724 SW Huntoon  
City/State/Zip Topeka, Kansas 66604  
Office Fax 785-273-7080

Description
A lecture course designed to introduce the student to the structure and function of the following body systems: skeletal, muscular, nervous, sensory, circulatory, respiratory, digestive and urinary systems. This class offers information concerning normal human structures and functions and the developmental changes that occur during an individual's life span. Students will learn specific information about factors associated with expected and abnormal anatomical and physiological changes associated with the body's major organ systems. Designed for students who are interested in pursuing a career in a health occupation.

Textbooks
Laboratory Manual:  

Student Learning Outcomes:
A. Communicate effectively  
B. Integrate technology  
C. Learn effectively  
D. Demonstrate cooperative teamwork skills  
E. Apply safety in the workplace  
F. Think critically and creatively  
G. Demonstrate responsible work ethics

Competencies
1. Use and understand descriptive anatomical and directional terminology.  
2. Explain the basic concept of homeostasis and how homeostatic mechanisms apply to body systems.  
3. Identify cellular structures and explain their respective functions.  
4. Describe the basic tissues of the body and their location and explain their functions.  
5. Identify and describe the major gross and microscopic anatomical components of the integumentary system and describe the functions of the system.
6. Identify and describe the major gross and microscopic anatomical components of the skeletal system and explain their functional roles in osteogenesis, repair, and body movement.

7. Identify and describe the major gross and microscopic anatomical components of the muscular system and explain their functional roles in body movement, maintenance of posture, and heat production.

8. Identify and describe the major gross and microscopic anatomical components of the nervous system and explain their functional roles in communication, control, and integration.

9. Identify and describe the major gross and microscopic anatomical components of the eye and ear and explain their functional roles in vision, hearing, and equilibrium. Students should also be able to identify and locate the receptors responsible for olfaction and gustation and briefly describe the physiology of smell and taste.

10. Identify and describe the major gross and microscopic anatomical components of the endocrine system and explain the functional roles of their respective hormones in communication, control, and integration.

Guidelines for Success

Assessment Plan
Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution’s technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rationale and Grading Scale
Course grade reports will be given to students following each semester. Written examinations and course grades will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>94-100%</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>87-93%</td>
<td>Above Average</td>
</tr>
<tr>
<td>C</td>
<td>80-86%</td>
<td>Average</td>
</tr>
<tr>
<td>D</td>
<td>75-79%</td>
<td>Unsatisfactory/Failing</td>
</tr>
<tr>
<td>F</td>
<td>Below 75%</td>
<td>Failing</td>
</tr>
</tbody>
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Attendance
Students are expected to maintain a minimum attendance consisting of no more than 90% of the total contact hours in the curriculum (10%) absence. Students are expected to attend all classes to promote optimal learning. Emergency situations which are beyond the control of the student at the time and could not have been foreseen or planned for in advance will be considered individually by the Health Occupations Coordinator and/or Associate Director of Student Services upon written request by the student. A student is expected to notify the program office when absent before the start of class. Students are expected to treat attendance during the program the same as they would work.
Disability
The Special Support Services (SSS) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST register and provide documentation with the office to be eligible for services. New requests for accommodations should be submitted two months or more prior to the date services should begin; however, contact the SSS Office as soon as a need may arise. Depending on the accommodation request, four to eight week lead time may be needed for timely and effective provision of services. SSS coordinates and assist in arranging services it deems appropriate of eligible students on a case-by-case basis.

If you are a student with a disability that may substantially limit your ability to participate in this class and believe you will need accommodations, it is your responsibility to contact:

Special Support Services Coordinator
Phone:  785-228-6356
E-Mail: ssscoordinator@washburn.edu