

# COURSE SYLLABUS

<b>Course Title:</b>	Human Biology	<b>Date submitted:</b>	November 2017 (AAC:17-61)	
<b>Department:</b>	Mathematics and Science			
<b>Curriculum:</b>	Biology			
<b>Course Descriptors:</b> Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	<b>Course Code:</b> (eg. ACC 101)	BIO*115	<b>Prerequisites:</b> C- or better in Integrated Reading and Writing II (ENG*075) OR Introduction to College Reading & Writing (ENG*093) OR Introduction to College English (ENG*096) OR Reading & Writing VI (ESL*162), or placement into Composition (ENG*101) [including embedded ENG*101]	
	<b>Course Type:</b>	X		
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: M: Seminar Internship P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/ Clinical/Lab Z: Combined Lecture/Studio			
	<b>Elective Type:</b>	G/LAS/S		
	E: English FA: Fine Arts FL: Foreign Language G: General HI: History HU: Humanities LAS: Liberal Arts & Sciences M: Math S: Science SS: Social Science			
	<b>Credit Hours:</b>	4		
	<b>Developmental:</b> (yes/no)	NO		
	<b>Contact Hours:</b>	Lecture:		3
		Clinical:		0
		Lab:		2
Studio:		0		
Other:		0		
<b>TOTAL:</b>		5		
<b>Class Maximum:</b>		20/40		
<b>Semesters Offered:</b>		F/S		
		<b>Corequisites:</b>	None	
		<b>Other Requirements:</b>	Lab Coat	
<b>Catalog Course Description:</b>	Emphasizes basic human physiology and provides students with an understanding of the human body in health and disease. Aids students in coping with particular health concerns. Attention is drawn to such environmental problems as the relationship between sunlight and skin cancer and the ecological effects of biotechnology. No dissection is required. This one semester course cannot be used to fulfill prerequisites for advanced biology courses.			
<b>Topical Outline:</b> List course content in outline format.	<ol style="list-style-type: none"> <li>1. Introduction--A Human Perspective</li> <li>2. Chemistry of Life</li> <li>3. Cell Structure and Function</li> <li>4. Tissues, Organ Systems, and Homeostasis</li> <li>5. Digestive System and Nutrition</li> <li>6. Composition and Function of Blood</li> <li>7. Cardiovascular System</li> <li>8. Respiratory System</li> </ol>			

	<p>9. Urinary System and Excretion            10. Skeletal System            11. Muscular System            12. Nervous System            13. The Senses            14. Endocrine System            15. Reproductive System            16. Chromosomal Inheritance            17. Genes and Medical Genetics            18. Cancer</p> <p>LABORATORY</p> <p>1. Microscopy            2. Cell Structure and Function            3. Human Body Tissues            4. Basic Human Anatomy I: Respiratory and Digestive Systems            5. Basic Human Anatomy II: Urinary and Reproductive Systems            6. Basic Human Anatomy III: Musculoskeletal and Cardiovascular Systems            7. Brain, Nervous System and Senses            8. Mitosis            9. Human Genetics</p>
<p><b>Outcomes:</b>            Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</p>	<p><b>Upon successful completion of this course, the student will be able to do the following:</b></p> <p><b>COURSE:</b></p> <ol style="list-style-type: none"> <li>demonstrate an understanding of the cell as the basic unit of structure and function in the body</li> <li>name the major systems of the human body and describe their general operation and role in maintaining homeostasis</li> <li>demonstrate an understanding of the energy needs of the body and relate them to nutritional requirements</li> <li>identify the physiological components of common diseases including cancer, diabetes, heart disease, and stroke</li> <li>integrate the guidelines for healthy living and understand the reasons why they were established</li> <li>link particular health concerns to specific system physiology</li> </ol> <p><b>PROGRAM:</b> <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i>            N/A</p> <p><b>COMPETENCY FULFILLED:</b>            Scientific Knowledge &amp; Understanding (SCKX) OR Scientific Reasoning (SCRX)</p>
<p><b>Evaluation:</b>            List how the above outcomes will be assessed.</p>	<p><b>Assessment will be based on the following criteria:</b></p> <p>assignments            quizzes            examinations</p>

<p><b>Instructional Resources:</b></p> <p>List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p><b>Required:</b> Standard Laboratory equipment and specimens</p> <p><b>Desired:</b> Adam Software, Smartboard</p>
<p><b>Textbook(s)</b></p>	<p>Starr and McMillan; <i>Human Biology</i>; Brooks Cole Thompson Learning; Latest edition</p> <p>Starr and McMillan; <i>Laboratory Manual for Human Biology</i>; Brooks Cole; Latest edition</p>