

CORE CURRICULUM COMPONENT APPLICATION

CORE COMPONENT AREA	Life and Physical Sciences
COURSE TYPE	Existing Core
DEPARTMENT	Biology
COURSE RUBRIC & NUMBER	BIOL 2402
COURSE NAME	Anatomy & Physiology II
CATALOG DESCRIPTION	This course is a continuation of BIOL 2401 and assumes foundation knowledge and skills acquired therein. Emphasis will be given to the study of the anatomical and physiological interrelationships of the endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Lab fee required. (COs - 1, 2, 3, 4)
NUMBER OF SECTIONS OFFERED/FALL	5
NUMBER OF SECTIONS OFFERED/SPRING	8
EXTIMATED ANNUAL ENROLLMENT	280
COURSE LEVEL	Sophomore
CONTACT PERSON (dept. representative)	Chet Cooper
EMAIL ADDRESS	cocooper@odessa.edu
PHONE	432-335-6590
DEPARTMENT APPROVAL STATUS	Approved - Date Click here to enter a date.
CORE COMMITTEE COMMENTS <small>(REQUEST FOR ADDITIONAL INFORMATION)</small>	
CORE COMMITTEE APPROVAL STATUS	Select One - Date Click here to enter a date.

Best practices and accreditation guidelines generally place the faculty in a position of responsibility for curricular decisions.

CORE CURRICULUM COMPONENT APPLICATION

Indicate below how each learning objective will be supported, what strategies or activities will be used to introduce each objective and how student learning will be assessed.

***NOTE: Component Area Option –**

- A. A minimum of 3 SCH must meet the definition and corresponding Core Objectives specified in one of the foundational component areas
- B. As an option for up to 3 semester credit hours of the Component Area Option, an institution may select course(s) that:
 - i. Meet(s) the definition specified for one or more of the foundational component areas; and
 - ii. Include(s) a minimum of three Core Objectives, including Critical Thinking Skills, Communication Skills, and one of the remaining Core Objectives of the institution's choice.

#	THECB CORE OBJECTIVE "ICO"	PROGRAM GOALS/OUTCOMES	COURSE LEARNING OUTCOMES	KEY IDENTIFIERS	LEARNING EXPERIENCE	ASSESSMENT
1	<p>Critical Thinking Skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.</p> <p><i>Must be addressed in all core curriculum courses</i></p>		Demonstrate proficiency utilizing a vocabulary of anatomical and medical terms related to the body.	Students will gain exposure to scientific vocabulary through readings, lectures, and other interactions.	Students will submit one of the following assignments: definition of terms, labs, quiz, written paper or critical thinking questions on material covered	This core objective will be assessed by an interdepartmental assessment committee using the Critical Thinking rubric.
2	<p>Communication Skills - to include effective development, interpretation and expression of ideas through written, oral and visual communication.</p> <p><i>Must be addressed in all core</i></p>		Explain the interrelationships between structure and function for each organ system covered.	Students will be able to discuss and describe the relationship between the anatomy and physiology of multiple organ systems.	Students will submit a reflection paper based on key concepts covered in class	This core objective will be assessed by an interdepartmental assessment committee using the Communication rubric.

	<i>curriculum courses</i>					
3	<p>Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions</p> <p><i>Must be addressed in all Mathematic, Life and Physical Sciences, AND Social & Behavioral Sciences component area core curriculum courses. Optional for all other component areas.</i></p>		Apply the principles of chemistry to the human body.	Students will read, listen to explanations, and complete assignments that enhance their ability to make informed conclusions based on data at hand.	Students will submit one of the following assignments: definition of terms, labs, quiz, written paper or critical thinking questions on material covered	This core objective will be assessed by an interdepartmental assessment committee using the Empirical and Quantitative Skills rubric.
4	<p>Teamwork - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.</p> <p><i>Must be addressed in all Communication, Life & Physical Sciences, and Creative Arts component area core curriculum courses. Optional for all other component areas.</i></p>		Develop skill identifying various cells and tissues through microscopy.	Students work together in groups to view microscopic structures on histology slides and use their knowledge to teach other groups.	Students will submit one of the following assignments: definition of terms, labs, quiz, written paper or critical thinking questions on material covered	This core objective will be assessed by an interdepartmental assessment committee using the Teamwork rubric.
5	<p>Social Responsibility: to include intercultural competence, knowledge</p>					

	<p>of civic responsibility, and the ability to engage effectively in regional, national, and global communities</p> <p><i>Must be addressed in all Language, Philosophy & Culture, Creative Arts, American History and Government/Political Science, and Social & Behavioral Sciences component area core curriculum courses. Optional for all other component areas.</i></p>					
6	<p>Personal Responsibility - to include the ability to connect choices, actions and consequences to ethical decision-making.</p> <p><i>Must be addressed in all Communication, Language, Philosophy & Culture, American History and Government/Political Science component area core curriculum courses. Optional for all other component areas.</i></p>					
7						

8						
9						
10						

Critical Thinking Skills

To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

Must be addressed in all core courses

Communication Skills

To include effective development, interpretation and expression of ideas through written, oral and visual communication.

Must be addressed in all core courses

Empirical and Quantitative Skills

To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Must be addressed in all core courses that satisfy the following requirements:

- Mathematics
- Life and Physical Sciences
- Social and Behavioral Sciences
- Some Component Area Options

Teamwork

To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

Must be addressed in all core courses that satisfy the following requirements:

- Communication
- Life and Physical Sciences
- Creative Arts
- Some Component Area Options

Social Responsibility

To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national and global communities.

Must be addressed in all core courses that satisfy the following requirements:

- Language, Philosophy and Culture
- Creative Arts
- American History
- Government/Political Science
- Social and Behavioral Sciences
- Some Component Area Options

Personal Responsibility

To include the ability to connect choices, actions and consequences to ethical decision-making.

Must be addressed in all core courses that satisfy the following requirements:

- Communication
- Language, Philosophy and Culture
- American History
- Government/Political Science
- Some Component Area Options