

MODESTO CITY SCHOOLS COURSE OUTLINE

Course Title	Anatomy and Physiology OLL S1	Anatomy and Physiology OLL S2
Course Number	OLL54151	OLL54152
Recommended Grade	<input type="checkbox"/> 7 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" type="checkbox"/> 12	
Duration	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester	
Credit	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10	
Repeatable for Credit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Required for Graduation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Meets Graduation Requirement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
CALPADS Course Number	9335	
CALPADS Course Name	Anatomy and Physiology	
Meets UC/CSU Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, which area? <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G	
CTE Course	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
CTE Course Level	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A	
Part of a Course Pathway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?	
Credential Requirements		
Replaces	N/A	
Recommended Prerequisites	N/A	
Aligned to Standards Date		
Content Delivery Method	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy	
Other Information		
Board Approval Date		
Implementation Date	Fall 2020	

Course Description:

Required Text(s): (Title, Publisher, Year):

Supplementary Materials(s):

Course Name: Anatomy & Physiology v13 or v13.2

Course Credit: 1.0

Estimated Completion Time: 2 Semesters / 32-36 Weeks

Course Description: In this course students explore the organization of the human body and how it works. They use technology and 21st Century tools to study the anatomy and physiology of the muscular, skeletal, nervous, cardiovascular, respiratory, digestive, reproductive and excretory systems. Students gain a holistic view of the parts of the human body and how they function together to maintain a natural balance and what happens when disease and disorders disrupt this balance.

Discussion-Based Assessments: 1.07, 2.04, 3.08, 4.04, 5.05, 6.06

Collaboration Activities: 1.08, 2.05, 3.09, 4.05, 5.06, 6.07

Honors Lessons: 1.05H, 2.02H, 2.03H, 3.07H, 4.01H, 5.01H, 5.02H, 6.01H, 6.04H

Course Profile:

Honors Assessments	9
Automated Quizzes	14
Project-Based Assessments	0
Labs	8
Writing Assignments	4
Graded Assessments	44
Non-Graded Assessments	0

Types of Assessments:

Multiple Choice	X	Essay	X
Worksheets		Collaborative	X
Web 2.0		Short Response	X
Project – Based	X	Labs	X
Self - Check	X	Discussion-Based Assessments	X

Scope and Sequence:

SEGMENT 1

Module 1:

- Introduction to Anatomy and Physiology
- Human Skeleton
- Bone Markings
- Tissues
- Skin

Module 2:

- Skeletal Muscle
- Axial and Appendicular Muscles
- Cellular Energy
- Muscle Contraction
- Muscle Fibers
- Muscle Fatigue

Module 3:

- Physiology of Muscle
- Nervous System
- The Spinal Cord
- The Brain
- Sympathetic and Parasympathetic
- Nerve Conduction
- Senses
- Endocrine System
- Hormones

SEGMENT 2

Module 4

- Cardiovascular System
- Blood Vessels and Electrocardiogram
- Components of Blood
- Homeostasis, Typing, and Transfusion

Module 5:

- Respiratory System
- Digestive System
- Molecules of Life
- Macromolecule Reactions
- Enzymes

Module 6:

- Excretory System
- Excretory Structures
- Immune System
- Lymph System
- Reproductive System
- Fertilization to Birth
- Fetal Circulation