

WARREN COUNTY SCHOOL DISTRICT

VIRTUAL PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Anatomy and Physiology II
Course Number: 10631
Course Prerequisites: Biology Course, Anatomy and Physiology I

Course Description: See Attachment

Suggested Grade Level: Grades 9-12

Length of Course: One Semester

Units of Credit: .5

PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:
CSPG 47

To find the CSPG information, go to <https://www.education.pa.gov/Educators/Certification/Staffing%20Guidelines/Pages/default.aspx>

Certification verified by the WCSD Human Resources Department: ☒ Yes ☐ No

WCSD STUDENT DATA SYSTEM INFORMATION

Course Level: Academic

Mark Types: Check all that apply.

☒ F – Final Average ☒ MP – Marking Period ☐ EXM – Final Exam

GPA Type: ☐ GPAEL-GPA Elementary ☐ GPAML-GPA for Middle Level ☒ NHS-National Honor Society
☐ UGPA-Non-Weighted Grade Point Average ☒ GPA-Weighted Grade Point Average

State Course Code: 03054

To find the State Course Code, go to <https://nces.ed.gov/forum/sced.asp>, download the Excel file for SCED, click on SCED 6.0 tab, and chose the correct code that corresponds with the course.

TEXTBOOKS AND SUPPLEMENTAL MATERIALS

Supplemental Materials: Edynamic

Curriculum Document

WCSD Board Approval:

Date Finalized: 9/19/2019

Date Approved: 11/4/2019

Implementation Year: 19-20

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SPECIAL EDUCATION, 504, and GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP), Chapter 15 Section 504 Plan (504), and/or Gifted Individual Education Plan (GIEP).

ASSESSMENTS

PSSA Academic Standards, Assessment Anchors, and Eligible Content: The teacher must be knowledgeable of the PDE Academic Standards, Assessment Anchors, and Eligible Content and incorporate them regularly into planned instruction.

Formative Assessments: The teacher will utilize a variety of assessment methods to conduct in-process evaluations of student learning.

Effective formative assessments for this course include: Lesson quizzes, projects, discussion boards, and module exams

Summative Assessments: The teacher will utilize a variety of assessment methods to evaluate student learning at the end of an instructional task, lesson, and/or unit.

Effective summative assessments for this course include: Semester exams

The course syllabus for **Anatomy and Physiology II**

Course Description

This is designed to give the student an understanding of how structure and function are related in the human body. The student will study the human body from the cellular level to the organ system level. All of the major body systems will be studied in great detail. Additionally, biochemistry, cell biology, histology, biotechnology, bioethics, and pathology will also be studied. This course is highly recommended for students seeking a career in science or a health-related profession.

The following are Enduring Understandings of this course:

- The muscular system provides the body with movement, heat production, and protection.
- The nervous system is the control center of the human body.
- The digestive system changes food from an insoluble form to a soluble, absorbable form that the body can use.
- Blood is a specialized fluid that is involved in immunity, clotting mechanisms, and delivers nutrients to the body's cells and transports waste away from that same body cell.

Required Materials:

The technology requirements for this course are listed below:

Internet Connection

- High Speed Internet Access (1MB/s per user if possible)

Supported Operating Systems

- Windows 7 or higher
- Mac OS X 10.7 (Lion) or higher

Supported Browsers

- Google Chrome
- Mozilla Firefox
- Apple Safari
- Internet Explorer 11

Supported browser Plugins

- Java installed
- JavaScript enabled
- Flash enabled
- Cookies enabled

Productivity Software (Microsoft Office or equivalent)

Speakers and Microphone

Attendance:

In order to succeed in this class, regular attendance is expected. This class will require a time commitment each day from you, so be sure to log in and keep up. If you must miss class for an extended period of time, please contact your instructor in advance to make arrangements.

Grading:

This course will contain assignments and tests and other activities. Your teacher will share the grading policy with you.

Communication:

It is very important to communicate with your teacher throughout your entire course. Your teacher will be communicating with you through email and / or class tools such as announcements. Please check your email each day for new messages. Contact your teacher directly whenever you have any questions.

Teacher Information

My Teacher's Name _____

My Teacher's Email Address _____

Scored Activities / Due Dates

Name	Category	Points Possible	Due Date
U1 – Unit Introduction	Lesson	80	
U1B1 - Unit 1 Blog	Blog	30	
U1D1 - Unit 1 Discussions	Discussion	20	
U1J1 - Unit 1 Journal	Journal	60	
U1L01 - Types of Muscle	Lesson	15	
U1L02 - Muscle Structure and Function	Lesson	16	
U1L03 - Muscle Contraction and Energy	Lesson	15	
U1L04 - Muscles of the Head, Neck, and Upper Torso	Lesson	15	
U1L05 - Muscles of the Trunk and Lower Body	Lesson	15	
U1L06 - Muscle Problems and Disorders	Lesson	14	
U1L06W1 - Unit 1 Wiki	Wiki	10	
U1LPA1 - Unit 1 Project	Assignment	50	
U1T1 - Unit Assessments: The Muscular System	Lesson	50	
U2 - Unit Introduction	Lesson	72	
U2J1 - Unit 2 Journal	Journal	50	
U2D1 - Unit 2 Discussions	Discussion	40	
U2L01 - The Central Nervous System	Lesson	15	
U2L02 - Conduction of Nerve Impulses	Lesson	15	
U2L02W1 - Neurotransmitters	Wiki	10	
U2L03 - The Brain	Lesson	14	
U2L04 - The Peripheral Nervous System	Lesson	15	
U2L05 - Nervous System Disorders	Lesson	15	
U2LPA1 - Unit 2 Project	Assignment	50	
U2T1 - Unit Assessments: The Nervous System	Lesson	50	
U3 - Unit Introduction	Lesson	80	
U3D1 - Unit 3 Discussions	Discussion	30	
U3B1 - Unit 3 Blog	Blog	10	
U3J1 - Unit 3 Journal	Journal	50	
U3L01 - Introduction to the Digestive System	Lesson	15	
U3L02 - The Oral Cavity	Lesson	15	
U3L03 - Pharynx, Esophagus, Stomach, and Liver	Lesson	15	
U3L04 - The Small and Large Intestines	Lesson	15	
U3L05 - Disorders of the Digestive System	Lesson	15	
U3L05W1 - Unit 3 Wiki	Wiki	10	
U3LPA1 - Unit 3 Project	Assignment	50	
U3T1 - Unit Assessments: The Digestive System	Lesson	50	
U4 - Unit Introduction	Lesson	90	
U4D1 - Unit 4 Discussions	Discussion	20	
U4B1 - Unit 4 Blog	Blog	20	
U4J1 - Unit 4 Journal	Journal	50	
U4L01 - Introduction to the Cardiovascular System	Lesson	15	
U4L02 - Blood Types	Lesson	15	
U4L03 - The Heart	Lesson	15	
U4L04 - Major Blood Vessels	Lesson	15	
U4L05 - Diseases and Disorders of the Cardiovascular System	Lesson	14	
U4L05W1 - Unit 4 Wiki	Wiki	10	
U4LPA1 - Unit 4 Project	Assignment	50	
U4T1 - Unit Assessments: The Cardiovascular System	Lesson	50	

UCA1 - Course Challenge Step 1	Course Challenge	Assignment	10
UCA2 - Course Challenge Step 2	Course Challenge	Assignment	10
UCA3 - Course Challenge Step 3	Course Challenge	Assignment	20
UCA4 - Course Challenge Step 4	Course Challenge	Assignment	20
UCA5 - Course Challenge Step 5	Course Challenge	Assignment	30
UCA6 - Course Challenge Step 6	Course Challenge	Assignment	30
UCA7 - Course Challenge Step 7	Course Challenge	Assignment	60
UCA8 - Course Challenge Step 8	Course Challenge	Assignment	20