

## WARREN COUNTY SCHOOL DISTRICT

### VIRTUAL PLANNED INSTRUCTION

#### **COURSE DESCRIPTION**

**Course Title:** Anatomy and Physiology I

**Course Number:** 10628

**Course Prerequisites:** Biology Course

**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:** 03053

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 (Virtual Academy)

#### **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 I**

**Course Description**

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

**The following are Enduring Understandings of this course:**

- The body can be described, organized, and classified for understanding.
- There is a comprehensive language that applies to the structure of animals that is based in Latin and Greek.
- A tissue's structure and location can affect its function.
- The integumentary system plays a crucial role as the body's first defense against infection and illness.
- The skeletal system is the body's main support structure.

**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

**Other Materials Needed:**

Cotton ball, rubbing alcohol, a drinking glass, water, dishwashing detergent, and a medicine dropper

**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**

<b>Name</b>	<b>Category</b>	<b>Points Possible</b>	<b>Due Date</b>
U1 – Unit Introduction	Lesson	75	
U1D1 - Unit 1 Discussions	Discussion	40	
U1J1 - Unit 1 Journal	Journal	50	
U1L01 - Anatomy in the Real World	Lesson	13	
U1L02 - Latin and Greek Origins	Lesson	15	
U1L02W1 - Unit 1 Wiki	Wiki	10	
U1L03 - Levels of Organization	Lesson	15	
U1L04 - Metabolism	Lesson	12	
U1L05 - Energy Processes of the Body	Lesson	14	
U1LPA1 - Unit One Project	Assignment	50	
U1T1 - Unit Assessments: Introduction to Anatomy and Physiology	Lesson	46	
U2 - Unit Introduction	Lesson	70	
U2J1 - Unit 2 Journal	Journal	50	
U2D1 - Unit 2 Discussions	Discussion	50	
U2L01 - Epithelial Tissue	Lesson	15	
U2L02 - Connective Tissue	Lesson	15	
U2L03 - Muscular Tissue	Lesson	14	
U2L04 - Nervous Tissue	Lesson	15	
U2L05 - Tissue Anomalies	Lesson	13	
U2LPA1 - Unit Two Project	Assignment	50	
U2T1 - Unit Assessments: Tissues of the Human Body	Lesson	43	
U3 - Unit Introduction	Lesson	75	
U3D1 - Unit 3 Discussions	Discussion	50	
U3J1 - Unit 3 Journal	Journal	60	
U3L01 - Integument as Protector	Lesson	13	
U3L02 - Body Membranes	Lesson	15	
U3L03 - Layers of the Skin	Lesson	14	
U3L04 - Skin's Accessory Organs	Lesson	13	
U3L05 - Regulation of Body Temperature	Lesson	15	
U3L06 - Anomalies of the Integument System	Lesson	13	
U3L06W1 - Unit 3 Wiki	Wiki	10	
U3LPA1 - Unit Three Project	Assignment	50	
U3T1 - Unit Assessments: Integumentary System	Lesson	45	
U4 - Unit Introduction	Lesson	80	
U4D1 - Unit 4 Discussions	Discussion	40	
U4J1 - Unit 4 Journal	Journal	70	
U4L01 - The Long Bone Structure	Lesson	15	
U4L01 - The Long Bone Structure	Lesson	15	
U4L02 - Microscopic Structures of Bone	Lesson	15	
U4L03 - Bone Formation	Lesson	16	
U4L04 - The Axial Skeleton	Lesson	12	
U4L04W1 - Unit 4 Wiki	Wiki	10	
U4L05 - The Appendicular Skeleton	Lesson	15	
U4L06 - Classes of Joints	Lesson	13	
U4L06W1 - Unit 4 Wiki	Wiki	10	
U4L07 - Problems With the Skeletal System	Lesson	12	
U4L07W1 - Unit 4 Wiki	Wiki	10	
U4LPA1 - Unit Four Project	Assignment	50	
U4T1 - Unit Assessments: The Skeletal System	Lesson	53	

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