EL CAMINO COLLEGE COURSE OUTLINE OF RECORD – Approved

Course Acronym:	NESL
Course Number:	
Descriptive Title:	ESL for Anatomy and Physiology I
Division:	Humanities
Department:	English as a Second Language
Course Disciplines:	English as a Second Language
Catalog Description:	This first course in a two-course sequence prepares high-intermediate to advanced ESL students for credit anatomy and physiology courses. Several body systems and their functions as well as the basics of chemistry and cell biology are covered with reading, writing, speaking, and listening activities. Emphasis is on pronunciation, spelling, and study skills useful for success in healthcare programs. This course provides ESL support for students who plan to take or who concurrently take Anatomy 30, Anatomy 32, Anatomy and Physiology 34A, and Anatomy and Physiology 34B.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	Noncredit English as a Second Language 08
Course Length:	Full Term
Hours Lecture (per week):	5
Hours Laboratory (per week):	0
Outside Study Hours:	10
Total Course Hours:	90
Course Units:	0
Grading Method:	P/NP/SP
Credit Status:	Non Credit
Transfer CSU:	No
Effective Date:	
Transfer UC:	No
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	

Other:	
IGETC:	
Term:	
Other:	
Student Learning	 SLO #1 Upon completion of the course, students will be able to demonstrate an understanding of study skills necessary for success in an anatomy and physiology course. SLO #2 Upon completion of the course, students will demonstrate an understanding of the basic concepts of chemistry and cell biology. SLO #3 Upon completion of the course, students will be able to communicate in writing and speaking with reasonable accuracy concepts and vocabulary related to basic chemistry and cell biology as well as related to the integumentary, skeletal, muscular, and nervous systems of the body. SLO #4 Upon completion of the course, students will be able to demonstrate aural comprehension of vocabulary related to the basics of chemistry and cell biology as well as related at cell biology as well as related to the basic of the body.
Course Objectives:	 Demonstrate a knowledge of study skills related to success in college courses. Communicate in writing and speaking basic concepts of chemistry related to anatomy and physiology. Communicate in writing and speaking basic concepts of cell biology. Utilize vocabulary in writing and speaking related to the basics of chemistry and cell biology as well as related to the integumentary, skeletal, muscular, and nervous systems of the body. Pronounce with reasonable accuracy vocabulary related to the basics of cell biology and chemistry as well as related to the integumentary, skeletal, muscular, and nervous systems of the body. Demonstrate listening comprehension of concepts and vocabulary related to the basics of cell biology and chemistry as well as related to the body. Demonstrate listening comprehension of concepts and vocabulary related to the basics of cell biology and chemistry as well as related to the body. Demonstrate listening comprehension of concepts and vocabulary related to the basics of cell biology and chemistry as well as related to the basics. Spell with reasonable accuracy vocabulary related to the basics of chemistry and cell biology as well as related to the integumentary, skeletal, muscular, and nervous systems.
Major Topics:	I. Study Skills (12 hours, lecture)

 A. Time management B. Study environment C. Reading techniques SQR3 PORPE D. Memorization techniques F. Test-taking strategies F. Note taking IL Language Related to the Basics of Chemistry (15 hours, lecture) Vocabulary I. Matter Mass Elements A. Vocabulary particles Atomic number and weight Periodic table Reading and writing B. Pronunciation Listening and vrafting Spelling III. Language Related to the Basics of Cell Biology (15 hours, lecture) Vocabulary Cytology Pronunciation Listening and vrafting Spelling III. Language Related to the Basics of Cell Biology (15 hours, lecture) Vocabulary Cytology Pronunciation Ustening and vrafting Spelling III. Language Related to the Basics of Cell Biology (15 hours, lecture) Vocabulary Cytology Pronunciation The cell cycle Pronunciation Listening and vrafting Spelling Vistening and writing Spelling Vistening and writing Spelling Vistening and writing Spelling Vistening and writing Spelling Nerves Boronunciation Elipidermis Hypodermis Hypodermis Hypodermis Hypodermis Hypodermis Language practice using content Listening and raf fluency Pronunciation Language practice using content Listening and raf fluency Pronunciation Reading Writing Spelling Vistektetal System (12 hours, lecture) Vocabulary Bone tissue 		
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V. The Skeletal System (12 hours, lecture) A. Vocabulary	-	
A. Vocabulary		
·	. The Skeletal System (12 hours, lecture)	
1. Bone tissue	A. Vocabulary	
	1. Bone tissue	

2. Types of bone
3. Bone functions
4. Accessory structures
i. Cartilage
ii. Ligaments
iii. Tendons
iv. Joints
5. Major bones of the body
i. Skull
ii. Axial skeleton
iii. Appendicular skeleton
B. Language practice using content
1. Listening and oral fluency
2. Pronunciation
3. Reading
4. Writing
C. Spelling
VI. The Muscular System (12 hours, lecture)
A. Vocabulary
1. Bundles
i. Fascicles
ii. Fibers
iii. Myofibrils
iv. Myofilaments
2. Acetylcholine
3. Types of muscle
i. Voluntary
ii. Involuntary
iii. Smooth
iv. Cardiac
4. Skeletal muscles of the body
5. Location
i. Lateral
ii. Inferior
iii. Anterior
iv. Encircles
B. Language practice using content
1. Listening and oral fluency
2. Pronunciation
3. Reading
4. Writing
C. Spelling
VII. The Nervous System (12 hours, lecture)
A. Vocabulary
1. CNS
2. PNS
3. ANS
4. Neurons
5. Sensory receptors
B. Language practice using content
1. Listening and oral fluency
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	 Pronunciation Reading Writing Spelling
Total Lecture Hours:	90
Total Laboratory Hours:	0
Total Hours:	90
Primary Method of Evaluation:	3) Skills demonstration
	Complete the sentences below using the words in the word bank. Take turns reading the correct sentences aloud with a partner. Word Bank adipose callus cells connective elastin protein 1. The dermis is made oftissue, and the hypodermis is made of 2. Connective tissue containsandfibers. 3fibers allow the skin to stretch. 4. An area of the epidermis that is thickened is called a
-	In this course we have learn a lot of vocabulary. What are some of the best strategies for remembering how to spell new vocabulary terms? State at least two strategies and the reasons why you think they are effective.
-	In a short paragraph (4-6 sentences) explain what the SQR3 reading strategy is and then state whether you think it is a good strategy or not. Give at least two reasons to support your opinion.
	Class Performance, Completion, Embedded Questions, Homework Problems, Matching Items, Multiple Choice, Objective Exam, Oral Exams, Other Exams, Presentation, Quizzes
Instructional Methods:	Demonstration, Discussion, Group Activities, Lecture, Multimedia presentations, Role play/simulation
If other:	Internet Presentation/Resources
Work Outside of Class:	Answer questions, Problem solving activity, Required reading, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
-	Judy Meier Penn and Elizabeth Hanson. Anatomy and Physiology for English Language Learners. Pearson Longman, 2006. Qualifier Text: Discipline Standard
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	Teacher-selected and teacher-generated materials

Requisite:	
Category:	
Requisite course(s):	
List both prerequisites	
and corequisites in this	
box.	
Requisite and	
Matching skill(s): Bold	
the requisite skill. List	
the corresponding	
course objective under	
each skill(s).	
Requisite Skill:	
•	Demonstrate comprehension of vocabulary related to anatomy, diseases,
• • • •	symptoms, procedures, and common medical tests such as X-rays, and
the requisite skill(s). If	NESL 08 - Demonstrate comprehension of vocabulary related to anatomy,
applicable	diseases, symptoms, procedures, and common medical tests such as X-rays,
	and abbreviations.
	Demonstrate comprehension of word parts commonly used in medical
	terminology.
	NESL 08 - Demonstrate comprehension of word parts commonly used in
	medical terminology.
Requisite course:	Noncredit English as a Second Language-08
Requisite and	
Matching skill(s): Bold	
the requisite skill. List the corresponding	
course objective under	
each skill(s).	
Requisite Skill:	
Requisite Skill and	
Matching skill(s): Bold	
the requisite skill. List	
the corresponding	
course objective under	
each skill(s). If	
applicable	
Enrollment Limitations and Category:	
Enrollment Limitations	
Impact:	
Course Created by:	Matthew Kline
Date:	11/22/2016
Original Board	06/19/2017

Last Reviewed and/or Revised by:	
Date:	10/04/2021
Last Board Approval	11/15/2021
Date:	