



El Camino College

COURSE OUTLINE OF RECORD - Approved

I. GENERAL COURSE INFORMATION

Subject and Number: Non-Credit English as a Second Language 09A
Descriptive Title: ESL for Anatomy and Physiology I

Course Disciplines: English as a Second Language (ESL): Noncredit

Division: Humanities

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.

Conditions of Enrollment: **Recommended Preparation**
 Non-credit English as a Second Language 08

Course Length: Full Term Other (Specify number of weeks):
Hours Lecture: 5.00 hours per week TBA
Hours Laboratory: 0 hours per week TBA
Course Units: 0
Min/Max Hours: 90

Grading Method: No Grade
Credit Status: Non Credit

Transfer CSU: No
Transfer UC: No

General Education:

El Camino College:

CSU GE:

IGETC:

II. OUTCOMES AND OBJECTIVES

A. COURSE STUDENT LEARNING OUTCOMES (The course student learning outcomes are listed below, along with a representative assessment method for each. Student learning outcomes are not subject to review, revision or approval by the College Curriculum Committee)

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.
2. Upon completion of the course, students will demonstrate an understanding of the basic concepts of chemistry and cell biology.
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.
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 to the integumentary, skeletal, muscular, and nervous systems of the body.

The above SLOs were the most recent available SLOs at the time of course review. For the most current SLO statements, visit the El Camino College SLO webpage at <http://www.elcamino.edu/academics/slo/>.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below, along with a representative assessment method for each)

1. Demonstrate a knowledge of study skills related to success in college courses.
Objective Exams
2. Communicate in writing and speaking basic concepts of chemistry related to anatomy and physiology.
Other exams
3. Communicate in writing and speaking basic concepts of cell biology.
Other exams
4. 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.
Other exams
5. 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.
Oral exams
6. Demonstrate listening comprehension of concepts and vocabulary related to the basics of cell biology and chemistry as well as related to the integumentary, skeletal, muscular, and nervous systems.

Objective Exams

7. 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 of the body.

Objective Exams

III. OUTLINE OF SUBJECT MATTER (Topics are detailed enough to enable a qualified instructor to determine the major areas that should be covered as well as ensure consistency from instructor to instructor and semester to semester.)

Lecture or Lab	Approximate Hours	Topic Number	Major Topic
Lecture	12	I	Study Skills <ul style="list-style-type: none"> A. Time management B. Study environment C. Reading techniques <ul style="list-style-type: none"> 1. SQR3 2. PORPE D. Memorization techniques E. Test-taking strategies F. Note taking
Lecture	15	II	Language Related to the Basics of Chemistry <ul style="list-style-type: none"> A. Vocabulary <ul style="list-style-type: none"> 1. Matter 2. Mass 3. Elements 4. Subatomic particles 5. Atomic number and weight 6. Periodic table 7. Bonding B. Pronunciation C. Listening and oral fluency D. Reading and writing E. Spelling
Lecture	15	III	Language Related to the Basics of Cell Biology <ul style="list-style-type: none"> A. Vocabulary <ul style="list-style-type: none"> 1. Cytology 2. Prokaryotic and eukaryotic cells 3. Organelles 4. Types of diffusion 5. The cell cycle

			<ul style="list-style-type: none"> B. Pronunciation C. Listening and oral fluency D. Reading and writing E. Spelling
Lecture	12	IV	<p>The Integumentary System</p> <ul style="list-style-type: none"> A. Vocabulary <ul style="list-style-type: none"> 1. Epidermis 2. Dermis 3. Hypodermis 4. Accessory structures <ul style="list-style-type: none"> i. Blood vessels ii. Nerves iii. Nails and hair iv. Glands B. Language practice using content <ul style="list-style-type: none"> 1. Listening and oral fluency 2. Pronunciation 3. Reading 4. Writing C. Spelling
Lecture	12	V	<p>The Skeletal System</p> <ul style="list-style-type: none"> A. Vocabulary <ul style="list-style-type: none"> 1. Bone tissue 2. Types of bone 3. Bone functions 4. Accessory structures <ul style="list-style-type: none"> i. Cartilage ii. Ligaments iii. Tendons iv. Joints 5. Major bones of the body <ul style="list-style-type: none"> i. Skull ii. Axial skeleton iii. Appendicular skeleton B. Language practice using content <ul style="list-style-type: none"> 1. Listening and oral fluency 2. Pronunciation 3. Reading 4. Writing C. Spelling

Lecture	12	VI	<p>The Muscular System</p> <p>A. Vocabulary</p> <ol style="list-style-type: none"> 1. Bundles <ol style="list-style-type: none"> i. Fascicles ii. Fibers iii. Myofibrils iv. Myofilaments 2. Acetylcholine 3. Types of muscle <ol style="list-style-type: none"> i. Voluntary ii. Involuntary iii. Smooth iv. Cardiac 4. Skeletal muscles of the body 5. Location <ol style="list-style-type: none"> i. Lateral ii. Inferior iii. Anterior iv. Encircles <p>B. Language practice using content</p> <ol style="list-style-type: none"> 1. Listening and oral fluency 2. Pronunciation 3. Reading 4. Writing <p>C. Spelling</p>
Lecture	12	VII	<p>The Nervous System</p> <p>A. Vocabulary</p> <ol style="list-style-type: none"> 1. CNS 2. PNS 3. ANS 4. Neurons 5. Sensory receptors <p>B. Language practice using content</p> <ol style="list-style-type: none"> 1. Listening and oral fluency 2. Pronunciation 3. Reading 4. Writing <p>C. Spelling</p>
Total Lecture Hours		90	
Total Laboratory Hours		0	

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Skills demonstrations

B. TYPICAL ASSIGNMENT USING PRIMARY METHOD OF EVALUATION:

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 of _____ tissue, and the hypodermis is made of _____.

2. Connective tissue contains _____ and _____ fibers.

3. _____ fibers allow the skin to stretch.

4. An area of the epidermis that is thickened is called a _____.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

1. N/A

2. N/A

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Objective Exams

Oral exams

Other exams

Embedded questions

Quizzes

Class Performance

Homework Problems

- Multiple Choice
- Completion
- Matching Items
- Presentation

V. INSTRUCTIONAL METHODS

- Demonstration
- Discussion
- Group Activities
- Internet Presentation/Resources
- Lecture
- Multimedia presentations
- Role Play

Note: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instruction delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VI. WORK OUTSIDE OF CLASS

- Study
- Answer questions
- Required reading
- Problem solving activities
- Written work

Estimated Independent Study Hours per Week: 3

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Judy Meier Penn and Elizabeth Hanson. Anatomy and Physiology for English Language Learners. Pearson Longman, 2006.

Qualifier Text: Discipline Standard,

B. ALTERNATIVE TEXTBOOKS

C. REQUIRED SUPPLEMENTARY READINGS

D. OTHER REQUIRED MATERIALS

Teacher-selected and teacher-generated materials

VIII. CONDITIONS OF ENROLLMENT

A. Requisites (Course and Non-Course Prerequisites and Corequisites)

Requisites	Category and Justification
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B. Requisite Skills

Requisite Skills

C. Recommended Preparations (Course and Non-Course)

Recommended Preparation	Category and Justification
Course Recommended Preparation English as a Second Language-08	

D. Recommended Skills

Recommended Skills
Demonstrate comprehension of vocabulary related to anatomy, diseases, symptoms, procedures, and common medical tests such as X-rays, and abbreviations. ESL 08 -
Demonstrate comprehension of vocabulary related to anatomy, diseases, symptoms, procedures, and common medical tests such as X-rays, and abbreviations.
Demonstrate comprehension of word parts commonly used in medical terminology. ESL 08 - Demonstrate comprehension of word parts commonly used in medical terminology.

E. Enrollment Limitations

Enrollment Limitations and Category	Enrollment Limitations Impact
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Course created by Matthew Kline on 11/22/2016.

BOARD APPROVAL DATE: 06/19/2017

LAST BOARD APPROVAL DATE:

Last Reviewed and/or Revised by Lavonne Plum on 11/22/2016

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