

**BIO 55 Course Outline as of Fall 2010****CATALOG INFORMATION**

Dept and Nbr: BIO 55                      Title: BIOLOGY FORUM  
 Full Title: Biology Forum  
 Last Reviewed: 10/26/2009

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	0.50	17.5	Lecture Scheduled	8.75
Minimum	0.50	Lab Scheduled	0	5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	0.50		Contact Total	8.75
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 17.50

Total Student Learning Hours: 26.25

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 39 - Total 2 Times

Also Listed As:

Formerly: BIO 48.16

**Catalog Description:**

A series of lectures on current topics in biology and a brief introduction to the field of biological science. Lectures are presented by visiting scientists and Life Science Department faculty.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: A series of lectures on current topics in biology and a brief introduction to the field of biological science. Lectures are presented by visiting scientists and Life Sciences Department faculty. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Total 2 Times

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:	
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:	
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:	
<b>CSU Transfer:</b>	Transferable	Effective:	Spring 2004	Inactive:	Fall 2013
<b>UC Transfer:</b>		Effective:		Inactive:	

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon successful completion of this course, the student will be able to:

1. Identify and compare the various disciplines included in the biological sciences.
2. Identify the course of study required for a major in biology or physiology.
3. Summarize and evaluate lectures on current topics in biological sciences.
4. Students repeating this course will evaluate lectures on a wider variety of biological topics and gain a greater insight into biology.

### **Topics and Scope:**

1. Biology as a discipline
  - a. Science education
  - b. Biology sub-disciplines: e.g. botany, zoology, molecular biology, anatomy, physiology, microbiology, genetics, evolution, ecology, embryology
  - c. The biology and physiology majors at SRJC
2. Current topics in Biology: unique topics every semester, such as the following:
  - a. Natural history of specific geographical locations, e.g. Madagascar, Galapagos
  - b. Biology of specific species, e.g. bats, manta rays, oaks, giardia
  - c. Current advances in medical research, e.g. impact of human genome studies
  - d. Biology in the news, e.g. current Nobel prizes in physiology
  - e. Research in specific biological disciplines, e.g. prions and mad cow disease, physiology of chemical dependency, sudden oak death
3. Repeating students will be exposed to a wider variety of biological topics.

### **Assignment:**

1. Attendance at lectures, 5 per semester.
2. Brief written report(s) are required summarizing and evaluating the material presented in one or more lectures.
3. Repeating students will write additional reports on a wider variety of topics.

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Brief report(s)

Writing  
20 - 50%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving  
0 - 0%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Participation

Other Category  
50 - 80%

## Representative Textbooks and Materials:

Instructor prepared materials.