

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:

AS Degree:	Area			Effective:	Inactive:
CSU GE:	Transfer Area			Effective:	Inactive:
IGETC:	Transfer Area			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Spring 2004	Inactive:	Fall 2013
UC Transfer:		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.