

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	16	Lecture Scheduled	8.00
Minimum	0.50	Lab Scheduled	0	5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	0.50		Contact Total	8.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 16.00

Total Student Learning Hours: 24.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

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: Two Repeats if Grade was D, F, NC, or NP

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:

Not Certificate/Major Applicable

COURSE CONTENT

Outcomes and Objectives:

Upon 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.

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

There will be unique topics every semester, some possible topics might include:

 - 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

Assignment:

1. Attendance at lectures, 5 per semester.
2. Brief written report(s) may be required summarizing and evaluating the material presented in one or more lectures.
3. Objective examination on orientation to biological sciences.

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
10 - 40%

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.

Final exam

Exams
10 - 40%

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.