MENDOCINO COLLEGE
COURSE OUTLINE
APPROVED COURSE BIO 201

CATALOG INFORMATION
==========
Dept & Nbr: BIO 201 Title: CONCEPTS OF BIO LAB
Full Title: Concepts of Biology Lab

Units		Course Hours Per Week		Nbr of Weeks	Course Hours	Total
Max:	1.0	Lecture	0.0	17	Lecture	0.0
Min:	1.0	Lab	3.0		Lab	51.0
		Contact DHR	0.0		Contact DHR	0.0
		Contact Total	3.0		Contact Total	51.0
		Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic
Grading: GC Credit course for grade or CR/NC
Repeatability: 00 No repeatability allowed or defined
Also listed as:

CATALOG DESCRIPTION:
Laboratory procedure and report writing on selected topics of biological science.

PREREQUISITES:
Completion of or concurrent enrollment in BIO 200 (or BIO 150); OR completion of or concurrent enrollment in BIO 202.

RECOMMENDED PREPARATION:
No advisories.

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:
Prerequisites: Completion of or concurrent enrollment in BIO 200 (or BIO 150); OR completion of or concurrent enrollment in BIO 202.
Experiments with pollution and population growth, human senses and animal behavior, flower parts and pond water inhabitants. (Grade or CR/NC)
Transfer Credit: CSU; UC.

ARTICULATION and CERTIFICATE INFORMATION
==========
ASSOCIATE DEGREE: Effective: Inactive:
Area:

CSU GE: Effective: FALL 2004 Inactive:
Transfer area: B3 LAB ACTIVITY

IGETC: Effective: FALL 1996 Inactive:
Transfer area: 5B BIOLOGICAL SCIENCES

CSU TRANSFER: TRANSFERABLE Effective: FALL 1981 Inactive:

UC TRANSFER: TRANSFERABLE Effective: FALL 1995 Inactive:

CAN:

CERTIFICATE APPLICABLE: N NOT CERTIFICATE/MAJOR APPLICABLE

APPROVAL AND DATES
==========
Version 03 Submitted by: ALAN WEST Date: 04/17/2003
Department approved: Date:
Curriculum approved: 11/14/1995 Version approved: 04/30/2003
Prerequisites approved: 11/14/1995 Last reviewed: 04/30/2003
Term effective: FALL 2003 Last taught: FALL 2008 Inactive:

COURSE CONTENT
==========
OUTCOME AND OBJECTIVES:
1. Be familiar with selected biological topics of importance that are studies in laboratory and field situations.
2. Acquire fundamental laboratory skills which help develop problem solving skills.

TOPICS AND SCOPE:
1. Observation Skills
2. Metric Measurement
3. Library: Use of Scientific Periodicals
4. Microscope Introduction
5. Flowers
6. Pond Water
7. Leaves
8. Osmosis
9. Human Senses
10. Enzymes
11. Paper Chromatography
12. Animal Behavior
13. Blood
14. Extinction
15. Pollution
16. Population
17. Field Analysis

ASSIGNMENTS:
READING ASSIGNMENTS:
Students will be required to read the laboratory exercises and selected applicable reading from the lecture textbook. Supplemental reading from selected periodicals. Examples of appropriate recommended readings are: Science, Omni, and Time.
WRITING ASSIGNMENTS:
Students are required to investigate and complete laboratory reports which are submitted to the instructor at the end of each laboratory session.
OUTSIDE ASSIGNMENTS:
No outside work should be required in this laboratory class. It is intended that students will complete all required work during each three-hour laboratory session.
ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:
The experimental laboratory by its very nature requires critical thinking on the part of the student. Students must analyze laboratory results and demonstrate their understanding by interpreting the results in well-written laboratory report.

METHOD OF INSTRUCTION:
Laboratory assignments, field trips, slide presentations, handouts and laboratory skill demonstrations.

METHODS OF EVALUATION:
The grade will be based on at least 15 laboratory activities and reports.

BASIS FOR GRADING:
The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

REPRESENTATIVE TEXTBOOKS:
No text required. Additional instructional materials - pencil, metric scale, 8 1/2 X 11 unlined paper.