

CATALOG INFORMATION

Dept and Nbr: BIO 13

Title: HUMAN BIOLOGY

Full Title: Human Biology

Last Reviewed: 1/25/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

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:

Catalog Description:
Primarily for students not majoring in biological sciences, presenting selected topics from biology dealing specifically with man. Major areas from which topics may be chosen include evolution, genetics, sexuality and reproduction, nutrition, exercise, disease, and environmental issues that affect the human condition. Emphasis on topics selected for study may vary from one semester to another. Not an anatomy and physiology course.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100A or ENGL 100.

Limits on Enrollment:

Schedule of Classes Information:
Description: Course designed for students not majoring in bio sciences. Selected topics from biology dealing specifically with man. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100A or ENGL 100.

Limits on Enrollment:

Transfer Credit: CSU;UC.

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

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area		Effective:	Inactive:
	C	Natural Sciences	Fall 1981	
CSU GE:	Transfer Area		Effective:	Inactive:
	B2	Life Science	Fall 1981	
IGETC:	Transfer Area		Effective:	Inactive:
	5B	Biological Sciences	Fall 1981	
CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
UC Transfer:	Transferable	Effective:	Fall 1981	Inactive:

CID:

Certificate/Major Applicable:

Not Certificate/Major Applicable

COURSE CONTENT

Outcomes and Objectives:

The specific content may vary but the following is representative of the type of material the student is expected to demonstrate understanding of thru written examination and written critical analysis. The students will:

1. Basics of cell biology - cell organization, cell chemistry, DNA, mutation, recombination, protein, membranes, procaryotic and eucaryotic cells, virus.
 - A. How the above relates to infectious disease, immunization, chemotherapy, AIDS.
 - B. How the above relate to nutrition, vitamins, special diets in disease, basic food groups.
2. Basics of genetics - chromosomes, mitosis/meiosis, population genetics, heritability.
 - A. How the above relate to inheritance of intelligence, social characteristics.
 - B. How the above relate to dangers of radiation, mutagenic chemical.

Topics and Scope:

1. Man the human animal.
2. Reproduction and development.
3. Metabolism and homeostasis in the human.
4. Human genetics.
5. Genetic counseling.
6. Genetic engineering and its implications.

7. Evolution.
8. Man's place in nature.
9. Environmental change and its affect on human well-being.
10. Food and nutrition.
11. Exercise and health.
12. Disease and defenses.

Assignment:

1. Textbook and panel debates.

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.

None

Writing
0 - 0%

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

Exams

Problem solving
0 - 25%

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

Class performances

Skill Demonstrations
0 - 25%

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

Multiple choice, True/false, Matching items, Completion

Exams
0 - 25%

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

None

Other Category
0 - 0%

Representative Textbooks and Materials:

HUMAN BIOLOGY by Silvia Mader, Wm. C. Brown, 1988.

HUMAN BIOLOGY by John Cunningham, Harper and Row, 1983.