COLORADO MESA UNIVERSITY

Department of Biological Sciences
BIOL101, General Human Biology, sections 001 & 006, CRN's 44202 & 44630
Spring Semester 2019

Faculty Information

Instructor	Eriek S. Hansen, PhD
Office	WS 211K
Phone	Office phone: 970-248-1562 In all messages please include your name, complete phone number, course number and section number, and information needed
Email	erihansen@coloradomesa.edu. Include course number and section number in subject line.
Office Hours	Monday 12:00-12:50, Tuesday 1:00-1:50, Monday, Wednesday, and Friday 10:00-10:50. You may schedule a meeting outside of office hours via email.
Communications Policy	My preferred method of communication is in person during office hours and via email. In case of emergencies attempt to contact me by both my office phone and email. Expect responses within 48 hours.

Course Information

Course Title	BIOL 101, General Human Biology
Class Time	Section 001 9:00 – 9:50 am, Section 006 11:00 – 11:50 am Monday, Wednesday, Friday, Web-Enhanced
Classroom	Section 001 Houston Hall 139 and Section 006 Houston Hall 138
Prerequisites	NA
Essential Learning Requirements	Can be taken for graduation or essential learning credit by biology majors who have completed no more than 10 hours in BIOL.
Drop Date	Last day to drop February 6; Last day to withdraw March 27.
Credit Hours	3
Lecture Hours	3
Lab Hours	
Other Hours	NA

Course Catalog Description

Scientific method, ecology, pollution, drugs, reproduction, cancer, heart disease, nutrition, and selected body structure and function relationships. Labs will include required field trips. Delivery mode: Web-Enhanced.

Required Text and Supplies

Mader, Sylvia S. and Michael Windelspecht, Inquiry Into Life (15th edition). New York: McGraw-Hill. 2016.
We are using the online textbook and resources (i.e., e-book with Connect).
ACCESS: Inclusive access via Direct Digital is used to purchase your textbook (See D2L for factsheet). Upon registering for the course, Connect is automatically purchased using your Maverick Store account. You need to access Connect through the course shell on D2L. Additional instructions for accessing Connect through D2L are available on D2L in the class folder "Textbook and LearnSmart Assignments". If you purchase Connect online, make sure you purchase Connect Plus, which includes the required interactive eBook. **NOTE**: You can register in Connect and have access without a code for a limited two-week time period.

Lesson/Instructional Materials

Classroom material will be presented using multiple methods: PowerPoint, chalk-talks, discussions, think-pair-share. Handouts will not be provided, and it will be necessary that you take extensive notes. Instructions will be provided in class when other materials are needed. Supplemental materials will be posted on D2L.

Methods of Evaluation/Grading Policy

Makeup quizzes and exams will only be allowed upon prior approval or for extreme circumstances. **Late assignments will not be accepted.** The number of assignments, essays, quizzes, and exams are subject to change at the instructor's discretion.

Grade Items	Point Breakdown	Total Points
Quizzes	25 points each x 4 =	100
Exams (includes final exam)	100 points each x 4 =	400
Exam (second stage)	5 points each x 3 =	15
Everyday biology essay	10 points each x 4	40
LearnSmart practice	5 points each x ~17 out of 19 opportunities =	85
Assignments	5 points each x TBD	TBD
Participation	TBD	TBD
Total		640

GRADING	A	B	C	D	F
SCALE	90 -100%	80 - 89%	70 -79%	60 - 69%	< 60%

Assignments

Reading assignments should be completed prior to lectures. Readings are used to help prepare you for the day's lecture. LearnSmart assignments are typically due before the lecture, you can start the assignments any time while reading the chapter. **LearnSmart due dates are posted on the course's McGraw-Hill Connect webpage.** If you have technical difficulties, you need to contact me **before the assignment closes for an extension**. Additional assignments will be given at the instructor's discretion and may include: one-minute questions at the end of lectures to assess comprehension, summaries of current events related to course topics, and attend public meetings or seminars related to course topics. **Due dates for essays and other assignments are posted on D2L.**

Testing Statement

Quizzes will be administered online in Connect+ to aid in assessing your comprehension of the material. The quizzes will be available for a set number of days, and you can take the quiz a maximum of 3 times. The quizzes are open notes, but there is a time limit, which will be established at the beginning of each quiz. **Quiz availability dates are posted on the course's McGraw-Hill Connect webpage.** I recommend being prepared prior to beginning the quiz. The quizzes are beneficial for you to self-assess your comprehension of the material. Quizzes may consist of multiple choice, true-false, matching, short answer, and essay.

Exams The exam will be administered only one time within class and time limit is 45 minutes. Exams may consist of multiple choice, true-false, matching, short answer, and essay. The exams are not cumulative. **There are no makeup exams.**

Attendance Policy

I require attendance for all lectures. Attendance will be recorded at the instructor's discretion. If you are unable to attend a lecture, I expect prior notification via email or telephone. Makeup exams will only be allowed upon prior approval or for extreme circumstances as determined by the instructor. Instructor reserves the option to complete an instructor withdrawal with ≥3 unexcused absences.

Course Correspondence

All communication in this course will be made via your CMU email account. Please include the title of the course and section number in the subject line (example: BIOL 101-002). Check your CMU email regularly throughout the semester. I typically respond within 72 hours.

Plagiarism and Academic Integrity

Plagiarism and other forms of cheating will not be tolerated. Students are expected to adhere to the policies on academic integrity described in the Maverick Guide (http://www.coloradomesa.edu/student-services/documents/MaverickGuide.pdf). **All forms of academic dishonesty may result in failure of the course and reporting of the incident to academic affairs.**

Student Learning Outcomes

This course is a part of CMU's Essential Learning Curriculum, making it an important element in your pursuit of a CMU degree. In addition to improving your knowledge of the course's content, this class will be helpful in improving your ability in the Natural Sciences to:

- Demonstrate investigative and analytical thinking skills to solve problems
- Select and use appropriate information or techniques in an academic project

The student learning outcomes for this course are:

- Outcome - examine an argument.
- Outcome - select and use information
- Course specific outcome - Have knowledge of the natural world and an understanding of scientific methods.
- Course specific outcome - Recognize the role science plays in our everyday lives.
- Course specific outcome - Be able to communicate your understanding of scientific processes and issues.

GT Pathways Content & Competency Criteria

The Colorado Commission on Higher Education has approved BIOL101 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT-SC1 category (Natural Science with Required Lab). For transferring students, successful completion with a minimum C– grade guarantees transfer and application of credit in this GT Pathways category. For more information on the GT Pathways program, go to: http://highered.colorado.gov/academics/transfers/gtpathways/curriculum.html

To be designated as a GT Pathways course, this course will address the following content and competency criteria:

Content Criteria

Students should be able to:

1. Develop foundational knowledge in specific field(s) of science.
2. Develop an understanding of the nature and process of science.
3. Demonstrate the ability to use scientific methodologies.
4. Examine quantitative approaches to study natural phenomena.

Competency Criteria:

Inquiry & Analysis Specific Learning Outcomes

Students should be able to:

1. Select or Develop a Design Process
    a. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.
2. Analyze and Interpret Evidence
    a. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
    b. Utilize multiple representations to interpret the data.
3. Draw conclusions
    a. State a conclusion based on findings.

Quantitative Literacy Specific Learning Outcomes

Students should be able to:

1. Interpret information
    a. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).
    b. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).

Time Commitment

You should expect to spend a **minimum of 2 hours** outside of class for every hour in the classroom.

Classroom policies

Attend, prepare for and participate in lectures, be respectful of fellow students and instructors, turnoff cell phones.

*See D2L for CMU Services and CMU Policies.

Course Schedule: The lecture schedule is **tentative** and **subject to change**. This includes exam dates.

Date	Day	Topic	Reading (chapter)
23-Jan	W	Introductions, e-book & Connect, Why study biology	
25-Jan	F	Study methods, Biological Organization	What works in learning (D2L), 1
28-Jan	M	Scientific method, Chemistry	1, 2
30-Jan	W	Chemistry	2
1-Feb	F	Chemistry	2
4-Feb	M	Macromolecules	2
6-Feb	W	Macromolecules	2
8-Feb	F	Cell structure and function	3
11-Feb	M	Cell structure and function	4
13-Feb	W	Review	**Everyday Biology Essay 1 due on D2L**
15-Feb	F	**Exam 1**	
18-Feb	M	**Exam 1 stage 2**. Cell division	5
20-Feb	W	DNA structure and replication	25
22-Feb	F	DNA structure and replication	25
25-Feb	M	DNA structure and replication, Inheritance	23
27-Feb	W	Biotechnology	26
1-Mar	F	Biotechnology	26
4-Mar	M	Biotechnology	26
6-Mar	W	Inheritance	24
8-Mar	F	Inheritance	24
11-Mar	M	Review	**Everyday Biology Essay 2 due on D2L**
13-Mar	W	**Exam 2**	
15-Mar	F	**Exam 2 second stage.** Metabolism	6
18-22 -Mar	M-F	**Spring Break**	
25-Mar	M	Metabolism, Cellular respiration	7
27-Mar	W	Digestion, nutrition, and obesity	14
29-Mar	F	Digestion, nutrition, and obesity	14
1-Apr	M	Reproduction and Development	22
3-Apr	W	Cancer	5.2, 25.5
5-Apr	F	Cancer	5.2, 25.5
8-Apr	M	Cancer	5.2, 25.5
10-Apr	W	Lymphatic and immune system	13
12-Apr	F	Lymphatic and immune system	13
15-Apr	M	Review	**Everyday Biology Essay 3 due on D2L**
17-Apr	W	**Exam 3**	
19-Apr	F	**Exam 3 second stage.** Evolution	27
22-Apr	M	Evolution	27
24-Apr	W	Evolution	27
26-Apr	F	Ecology	34
29-Apr	M	Ecology	35
1-May	W	Ecology, Biomes	36
3-May	F	Biomes	36
6-May	M	Climate Change	D2L; **Everyday Biology Essay 4 due on D2L**
8-May	W	Watershed documentary	
10-May	F	Review	
15-May	W	**Section 001 8:00-9:50, Section 006 10:00-11:50**	

***See Connect for LearnSmart and Quiz due dates and times.**