

MAYLAND COMMUNITY COLLEGE
Welcomes You To:

BIO 112.20-Spring 2007

General Biology II

4 credit hours, 6 contact hours

Course Description

This course is a continuation of [BIO 111](#). Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

Prerequisites: BIO 111

Corequisites: none

Instructor Information

Instructor:	Clayton A. Harpold		
Office Location:	257		
Telephone Number:	765-7351 extension 204		
E-mail Address:	charpold@mayland.edu		
Office Hours:	M: 1000-1200		M: 1100-1200
1 st 8 weeks	WF: 0800-0900	2 nd 8 weeks	WF: 1200-1400
	TTh: 1100-1300		TTh: 1100-1300
	1600-1700		1600-1700
			F: 1300-1400

Please call for other times!

Course Information

BIO 112 meets in room 265 for lecture and for lab.

Section 20 - 1700-1950 lecture T
1700-1950 lab Th

Required Text(s): Starr, Taggart. Biology: The Unity and Diversity of Life .
11th Edition. Brooks/Cole 2006.
Perry, Morton, and Perry, Laboratory Manual for Starr and Taggart's Biology: The Unity and Diversity of Life, Brooks/Cole 2002 or 2006.

Course Objectives/Competencies:

The primary reason stated for teaching biology in the College Transfer curriculum is to increase your knowledge of yourself and your environment. Factual knowledge is important and necessary, but you must also learn to apply this knowledge and think critically. You must learn to observe carefully; to evaluate what you see; to draw objective, non-emotional conclusions; to analyze, synthesize, and reason; to question; to think for yourself. Therefore, the College Transfer objectives of a biology course are:

1. You will develop the ability to think critically by comparison and contrast of living systems and by the keen, objective evaluation of natural phenomena.
2. You will develop an understanding and appreciation of the many varied relationships between organisms and their total environment.
3. You will gain an appreciation of the contributions of science to thinking and technology.

4. You will become sensitive to the opportunities for applying biological principles to the solution of both social and personal problems.
5. You will form a basis for continued study in related fields.

Mission Statement and Competencies for the General Education Core

Mission:

Mayland Community College's General Education core courses will provide the essential body of knowledge and skills that enable all degree-level students to perform competently as employees and as contributing members of society.

Graduates of all degree programs at Mayland Community College will have completed the general education core. That core encompasses the essential knowledge and skills that enable all degree-level students to perform competently as employees and as contributing members of society. Upon completion of the general education core, students will be able to demonstrate the following:

1. Effective communication in speaking and listening situations needed for college, personal, and work successes
2. Effective communication in writing and reading situations needed for college, personal, and work successes
3. Logical, critical, and creative thinking to evaluate evidence and reach a conclusion
4. Application of basic computer use skills
5. Application of fundamental math skills
6. Basic awareness of the diversity of various world groups from both historical and contemporary contexts

This course directly supports the learning competencies for the General Education core courses of the Biology Department in the Arts and Sciences Division.

1. Improve communication in speaking and listening situations needed for college, personal, and work successes
2. Improve communication in writing and reading situations needed for college, personal, and work successes
3. Improve logical, critical, and creative thinking to evaluate evidence and reach a conclusion
4. Increase application of basic computer use skill
5. Increase awareness of the diversity of various world groups from both historical and contemporary contexts

Attendance Policy/Tardiness/Make-Up Work:

You are expected to attend every scheduled lecture and lab. If you miss more than 15% of scheduled lecture times (5 classes), your lecture grade will be lowered one letter grade. The set-up of the laboratory portion of this course is such that it *will not be possible* to make up most labs. A tardy is recorded if you are late for class or if you leave before class is dismissed. Three tardies will equal one absence.

Grading Criteria/Tests/Projects:

There will be 5 lecture exams during this session (100 pts each). You will complete a paper and give a presentation to the class about a particular individual or group of marine organisms (100 pts). You will have 2 lab exams (100 pts each). At the end of the semester there will be a comprehensive final exam worth 200 points. 80% of your grade will come from the lecture portion of the class. 20% will come from the lab portion.

Grading Scale:

A = 90 - 100

B = 80- 89

C = 70 - 79

D = 60 - 69

F = below 60

Inclement Weather Procedures:

Refer to the student handbook for a complete description of the policy. MCC will close or operate on a delay whenever it is deemed necessary due to the weather. Keep abreast of local radio or the MCC website for all inclement weather information. Use your own judgment about traveling in inclement weather. **This class will begin at 1105 on all delayed schedules.**

Academic Standards/Student Expectations/Ethics:

Academic Dishonesty, Cheating, Forgery, and Related Offenses:

Any of the following actions is considered cheating: copying answers from someone else during an exam; using textbook, notes, or "cheat sheets"(on paper, skin, or clothing) for obtaining answers during exams; giving answers to someone else during an exam. Any student discovered cheating will fail the course and be reported to the Vice President of Student Services. The right of due process will not be denied. If you wish to contest any accusation of failure to meet academic standards, you are afforded the due process options listed in the Student Handbook.

Disruption and Disorderly Conduct

A student shall not engage directly or indirectly in disorderly conduct which is intended to provoke violent retaliation or cause a breach of peace which disrupts, disturbs, or interferes with the normal routine activities or teaching of students, or with the peace, order, or discipline on Mayland Community College grounds. Any of the following actions is considered class disruption:

- Vocalization of or exhibition of obvious body language displaying displeasure with class policy or routine;
- Vocalization of or exhibition of obvious body language displaying displeasure during an Exam.

Disciplinary Process During Class Lecture or Lab:

Temporary suspension from class until the Vice President of Student Services can investigate the student's(s) conduct.

Disciplinary Process During Exam: A zero recorded for that exam and temporary suspension from class until the Vice President of Student Services can investigate the student's(s) conduct.

Disclaimer: While I have attempted to be as thorough as possible with this syllabus, course procedure may vary to meet the needs of this particular group of students.

Withdrawal dates:

February 13, End of unconditional withdrawal

March 27, -End of conditional withdrawal

If a student has not been in contact with the instructor and has not attended class for a consecutive two-week period, an administrative withdrawal will be submitted by the instructor. After the administrative withdrawal is completed the student will not be allowed to be added back to the course.

Special accommodations:

Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will then help determine which accommodations, if any, the student needs for success in this course.

Course Outline/Weekly Topics*

Week	Chapters	Labs
1	21	Intro to lab Virus video
2	22	Microorganisms and disease.
3	Exam 1 (21 –22), 24	Protists
4	25	Invertebrates
5	26	Invertebrates Vertebrates
6	Exam 2 (24-26),	Urinalysis
7	33, 34	Digestion
8	35, 36	Mid-term
9	Spring Break	
10	Exam 3 (33-36), 38	The Sensory System
11	40,41	Circulation
12	Exam 4, (38-41), 43, 44	Reproduction
13	23, 29	Plant diversity
14	30, 31	Plant structure
15	Exam 5 (23,29,30, 31)	Flowers, fruits, and seeds
16	Presentations and Final	Lab Final

* - all schedules are tentative and may change as conditions warrant.