

**GENERAL BIOLOGY – BIO 1110WI**  
*Spring 2008*

**INSTRUCTOR:** Marjorie B. Larkin  
**OFFICE:** Proctor Hall East 202  
**PHONE:** 272-7102, Ext 364 (office)  
886-4517 (home)

**CLASS MEETING:** Lecture: Proctor Hall East 214  
F • 6:00 p.m. – 7:45 p.m.  
S • 8:00 a.m. – 10:00 a.m.  
Lab: Proctor Hall East 208  
S • 10:00 a.m. – 12:00 Noon

**TEXTBOOK:** *Biology, Concepts and Connections*. 5<sup>th</sup> Edition; Campbell, Taylor, Simon and Reece 2006.

**LAB MANUAL:** *Laboratory Outlines in Biology*. 6<sup>th</sup> Edition; Aberhamoff and Thomson. Prentiss Hall.

**PURPOSE:** The purpose of this course is to provide a basic coverage of biology for non-majors. Topics covered will include cell division, genetics, animal and plant diversity, evolution and ecology. (4 credit hours)

**ATTENDANCE POLICY:** You are expected to attend all classes and all laboratory sessions.

**METHOD OF EVALUATION:**

- Exams:** There will be three 1-hour exams on lecture material as indicated in the syllabus. Their average will be 70% of your final grade.
- Laboratory:** There will be three laboratory practicals as indicated in the syllabus. Their average will be 30% of your final grade.
- Extra Credit:** You may abstract and critique three biology articles from scientific journals or trade publications. (*Discover, Time*, etc.). Each article will count 2 points on your lecture average.

**GRADING SYSTEM:**

Lecture	70%
Laboratory	30%
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	100%

**GRADING SCALE:**

A	=	90-100	D+ =	66-67	
A-	=	88-89	D	=	58-65
B+	=	86-87	F	=	57-below
B	=	80-85			
B-	=	78-79			
C+	=	76-77			
C	=	70-75			
C-	=	68-69			

**MAKE-UP EXAM POLICY:** All exams and practicals should be taken on the designated dates. If you must be absent, please contact me in advance.

**HONOR CODE:** This course will be conducted under the Greensboro College Honor Code which states that “Greensboro College students are honest in their academic work, do not cheat, and report those who do cheat.” You will be expected to reaffirm this pledge by your signature on each exam.

**COMPETENCIES:** Competencies fulfilled by General Biology 1110WI are on file in the Dean’s office.

**GENERAL  
EDUCATION**

**OBJECTIVES:** This course fulfills the following General Education objectives:

All students should learn to:

- reason to reach logical conclusions (#4)
- think critically about ethics and values (#6)
- analyze numerical data critically (#7)
- explore and understand the natural world in a scientific fashion (#10)

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**Lecture Schedule**

<u>Date</u>	<u>Topics</u>	<u>Readings</u>
Weekend 1	Course Details Mitosis and Meiosis Mendelian Genetics	Chapter 8 Chapter 9
Weekend 2	Mendelian Genetics (cont.) Human Genetics	Text: Chapter 9 Text: Chapter 13
Weekend 3	Molecular Genetics	Text: Chapter 10

**Lecture Exam 1:  
Mitosis, Meiosis, Mendelian and Human Genetics**

Weekend 4	Taxonomy Kingdoms Monera and Protista	Text: Chapter 17
Weekend 5	Kingdoms Fungi and Plantae	Text: Chapter 18
Weekend 6	Kingdom Animalia	Text: Chapter 19

**Lecture Exam 2:  
Molecular Genetics, Taxonomy, Kingdoms Monera, Protista, Fungi and Plantae**

Weekend 7	Evolution Ecology	Text: Chapters 14 & 15 Handouts
Weekend 8	Ecology	Handouts

**Lecture Exam 3  
Kingdom Animalia, Evolution, Ecology**

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**Laboratory Schedule**

<u>Date</u>	<u>Topics</u>	<u>Readings</u>
Weekend 1	Mitosis and Meiosis Genetics Problems	Manual: pp.57-62 Handouts
Weekend 2	Genetics Problems	Handouts
Weekend 3		
<b>Laboratory Practical 1</b> <b>Mitosis, Meiosis, Genetics Problems</b>		
Weekend 4	Kingdoms, Monera, Protista, and Fungi	Manual: pp.167-195, pp.197-207 Handouts
Weekend 5	Kingdom Plantae	Manual: pp.209-227 Handouts
Weekend 6		
<b>Laboratory Practical 2</b> <b>Kingdoms, Monera, Protista, Fungi and Plantae</b>		
	Kingdom Animalia	Manual: pp.291-323 Handouts
Weekend 7	Kingdom Animalia	Manual: pp.291-323 Handouts
Weekend 8		
<b>Laboratory Practical 3</b> <b>Kingdom Animalia</b>		