

# COURSE OUTLINE BIOLOGY 123

## Introductory Biology Laboratory

Winter Semester 2005  
Sections: 01, 02, 03 and 04  
Time: 2:00-5:00 pm

Instructor: Dr. Mark J. Ottenbreit  
Office: Life Science 223  
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URL address for Bio 123 web site: <http://eng-sci.udmercy.edu/courses/bio123/>

### Laboratory Exercises

Week	Topic	Exercise
1	Evolution	Chapter 17: p175
2	Population Growth	Chapter 21: p213
3	Porifera and Cnidaria	Chapter 35: p365
4	Platyhelminthes and Nematoda	Chapter 36: p 377
5	<b><i>Laboratory Practical I</i></b> : Mollusca and Annelida	Chapter 37: p 389
6	Arthropoda	Chapter 38: p 401
7	Echinodermata, Hemichordata and Chordata	Chapter 39: p415
8	Vertebrate Animal Tissue	Chapter 40: p435
9	Human Biology: Sensory Perception	Chapter 45: p 485
10	<b><i>Laboratory Practical II</i></b> : Human Biology Breathing	Chapter 43: p 465
11	Human Biology: Circulation and Blood Pressure	Chapter 44: p473
12	Vertebrate Anatomy, RAT	Chapter 46: p495
	Muscles and Internal Organs	Chapter 47: p503
13	Vertebrate Anatomy, Rat: Urogenital and Circulatory	Chapter 48: p511
14	Embryology	Chapter 49: p521
15	<b><i>Laboratory Practical III Finals Week</i></b>	

**LABORATORY MANUAL:** Biology Laboratory Manual, Vodopich and Moore, Mosby Year Book, Seventh Edition, 2005.

**OPTIONAL TEXTS:** A Photographic Atlas for the Biology Laboratory, Van DeGraff, Morton Publishing Co. 2002.

### **TESTS:**

The items listed below will comprise the elements to establish your letter grade in this course.

1. Three Laboratory practicals 900 points ( 300 points each)
2. Quizzes, a total of 13 (100 points) (10 will be counted)

### **MISSED EXAMINATIONS:**

1. Make up Laboratory practicals:

You must notify me that you will not be able to take the exam prior to the giving of the exam if possible or as soon there after as possible. If you do not contact me by Friday of the exam week you will be given a zero for the exam . The time of the make up practical will be at the convenience of the instructor , one and only one make up will be given, and you must take it at this time or receive a zero. This make-up exam may be an oral examination.

2. Quizzes, no make up, three lowest or missed quizzes will be dropped. For all quizzes missed a grade of zero will be entered.

### **GRADING:**

Grading will be as follows: 90-100 A range, 80-89 B range, 70-79 C range, 60-69 D range. If necessary a curve will be established to adjust scores to the above grading scale.

### **QUIZZES:**

You will be responsible for the definition of all bold words, the title of the exercise and the objectives of the exercise.