

## FALL 2011 BIOLOGICAL CONCEPTS LABORATORY

**Syllabus - Biological Concepts Laboratory (BIOL 123)** 1 HOUR. GEN ED D-1 (DL) - Corequisite: BIOL 122.

Introductory laboratory in biology for science majors which focuses on experimental aspects of biological concepts. The laboratory manual is required and available at the University Bookstore or University Textbook and Supply Company. Students will need the laboratory manual for the first lab exercise.

### WEEK BEGINNING

|     |    |  |
|-----|----|--|
| AUG | 29 | MACRO-MEASURES & MICROSCOPY p.5-24   |
| SEP | 05 | <b>NO LABS THIS WEEK - LABOR DAY HOLIDAY</b>   |
|     | 12 | SCIENTIFIC METHOD p.25-40  |
|     | 19 | TAXONOMY & BUILDING A DICHOTOMOUS KEY p.41-42  |
|     | 26 | SYSTEMATICS & PHYLOGENIES p.43-50  |
| OCT | 03 | <b>NO LABS THIS WEEK - FALL BREAK OCT. 7<sup>th</sup> - 8<sup>th</sup></b>           |
|     | 10 | EVOLUTION p.83-100   |
|     | 17 | <b>MID-TERM EXAMINATION WEEK</b>   |
|     | 24 | TERRESTRIAL PLANTS p.61-74   |
|     | 31 | ECOLOGY p.107-109  |
| NOV | 07 | PROTISTS p.51-60   |
|     | 14 | ANIMAL BEHAVIOR p.101-106  |
|     | 22 | <b>NO LABS THIS WEEK - THANKSGIVING BREAK NOV. 24<sup>th</sup> - 26<sup>th</sup></b> |
|     | 27 | FUNGI p.75-82  |
| DEC | 5  | <b>FINAL EXAMINATION WEEK</b>  |

There will be a 5-point quiz/write-up administered at the start of each lab session (starting with the second lab meeting). The questions will be taken from the lab you will be performing **THAT DAY**. If anyone has handed in the quiz/write-up before you arrive to lab you **WILL NOT** be allowed to take the quiz and you will receive a score of 0 - **SO BE ON TIME**. Your 8 highest quiz/write-up scores (out of 9) will be counted toward your final grade.

**Grades:** Grades are based on your performance on Homework, Laboratory Quizzes, Mid-Term Exam, Final Exam, Scientific Paper, and your overall Participation in lab.

**Points:**

|  |                   |
|--|-------------------|
| Lab 1 Homework   | 20 points         |
| Lab Quizzes/Write-Ups (nine 5-pointers with your lowest score dropped) | 40 points         |
| Mid-Term   | 100 points        |
| Scientific Paper   | 25 points         |
| Final Exam   | 100 points        |
| Participation  | <u>40 points</u>  |
| <b>Total</b>   | <b>325 points</b> |

|                       |                |   |
|-----------------------|----------------|---|
| <b>Grading scale:</b> | 100 - 90%      | A |
|                       | 89 - 80%       | B |
|                       | 79 - 70%       | C |
|                       | 69 - 60%       | D |
|                       | 59% – or lower | F |

**Laboratory attendance policy:** Attendance at laboratories is **MANDATORY**. If a student misses or knows that they will miss their regularly scheduled lab, they may get permission to attend another lab section from their original instructor. **This will only be allowed** for University-accepted excusals (such as athletic events, sickness with Dr.'s note, family member death, etc.). The lab materials are only available for the week of that laboratory, so labs can **ONLY** be made up during the week of the missed lab.

**Academic integrity:** It is expected that each student will do his/her own work at all times. Therefore, cheating/academic dishonesty in any form (plagiarism, altering exams, crib sheets, etc.) will result in dismissal from the course with a grade of 'F', and this policy will be **STRONGLY** enforced.

**Students with disabilities:** In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

**Student conduct:** Student behavior or speech that disrupts the instructional setting or is clearly disrespectful of the instructor or fellow students will not be tolerated in the Biology 123 laboratory. Disruptive conduct may include, but is not limited to:

1. Rude or disrespectful behavior
2. Unwarranted interruptions
3. Failure to adhere to instructor's directions
4. Vulgar or obscene language, slurs, or other forms of intimidation
5. Physically or verbally abusive behavior
6. Inappropriate questions or advances toward your TA

Please note - any continuation of such conduct or actions will result in disciplinary action as specified in the WKU Code of Conduct.