



CAMPBELLSVILLE UNIVERSITY

COURSE SYLLABUS

PLEASE TYPE.

DATE January 18, 2017

ACADEMIC UNIT Natural Science

FACULTY Milton Rogers

☐ Please check to indicate this course has a service learning component.

Discipline	Course# Section	Title of Course	Credit Hours	Cross Reference (if applicable)
BIO	104-91	Biology Lab for Teachers	1	

TEXTBOOK ☐ Required ☒ Not Required

Author _____

Title _____

Publisher _____

Date of Publication _____

WORKBOOK

Author _____

Title _____

Publisher _____

Date of Publication _____

PLEASE ANSWER THE FOLLOWING QUESTIONS ON A SEPARATE SHEET OF PAPER AND ATTACH TO THIS FORM.

1. DESCRIPTION OF COURSE: Develop a brief description of the course as it will appear in the Catalog.
2. STUDENT LEARNING OBJECTIVES: List the student learning objectives for the course. Please relate these objectives to the mission and goals of the University and the Academic Unit. For general education courses, please indicate which student learning objectives address general education goals and the intended method of assessment. A minimum of four of the seven general education goals must be included.

Example: Students will demonstrate their ability to compare and contrast two types of basket weaving. (Goal: Oral and Written Communication; Evidence: research paper and class presentation)

3. COURSE OUTLINE: Outline the topics/units that are to be taught.
4. EVALUATION: How do you plan to determine the grade in the course? Please include grading scale.
5. REQUIREMENTS:
 - a. Examinations: State when tests are to be administered, including unit, mid-term, and final examinations.
 - b. Reports: How many, length required, and what type (Oral, term and/or research, book critiques).
 - c. Supplemental reading assignments or outside work required.
 - d. Supplemental instruction aids: Audio visual aids, field trips, guest speakers, etc.

6. BOOKLIST

DEAN Michael R. Page

Date Copy Received 1/19/2017

VICE PRESIDENT FOR ACADEMIC AFFAIRS

Date Copy Received _____

BIO 104 BIOLOGY LAB FOR TEACHERS: SPRING 2017

I. Schedule - SPRING 2017

Lab #1 - January 26: Introduction: review syllabus with emphasis on organization and requirements

Lab #2 - February 2: Science + Measurements in Science, lesson plans, start something-hay infusion + seeds

Lab #3 - February 9: Microscopy

Lab #4 - February 16: Cell division: mitosis, chromosomes

Lab #5 - February 23: Diffusion and osmosis

Lab #6 - March 2: Lower animals: Kingdom Protista - protozoans

MARCH 9 - MID-TERM LAB EXAM

MARCH 13 - 17 SPRING BREAK

Lab #7 - March 23: Lower plants: Kingdom Protista - algae

Lab #8 - March 30: Higher plants: gymnosperms (cone-bearing) and angiosperms (flowering plants with fruits)

Lab #9 - April 5: Higher animals, frog dissection

Lab #10 - April 12: Dinosaurs

Lab #11 - April 19: Ecology and Population

Lab #12 - April 26: Genetics

SECOND EXAM MAY 4

II. ATTENDANCE POLICY

There are no excused absences. You are responsible for all material covered even when you are not present. Because the lab is so heavily used, it is difficult (almost impossible) to make up labs. It is your responsibility to get the material from classmates and the handouts from the instructor. Recording devices are not allowed in lab. **The University Undergraduate Attendance Policy will be followed in this course.**

III. REQUIREMENTS

- A. EXAMS:** There will be two exams, one at **MIDTERM** and a second at the end of the semester. There are no make-ups for these exams because they have a "practical" component.
- B. LAB NOTEBOOK:** A completed lab notebook is required. This notebook is to include **ALL** drawings, handouts and notes, **IN ORDER**, by lab number. This will be due at the **SECOND EXAM**.
- C. Additional Assignments:** There will be a number of assignments which will be due at various times. All will have point value and will be used to determine the final grade in the course.

Assignments due weekly:

Writing assignment about the next week's lab
Praxis II questions

The following are part of the Notebook:

Scientific Method/Crossword Puzzle - due January 28/Lab #2

Lower plants sheet - due March 3/Lab #7

Dinosaur images due April 7/Lab #10

There may be additional assignments as part of the notebook

The following are for credit:

Dinosaur book questions due April 7/Lab #10

Supplemental Assignment due at last lab April 28 (optional)

All assignments including the Notebook are due at the second Exam.

The assignments noted above are to be handed in on the due date.

IV. GRADING

Exam #1 -----	150 points
Exam #2 -----	150 points
Weekly writing assignments -----	11 points (1 point each)
PRAXIS II questions -----	10 points (1 point each)
Dinosaur Book -----	10 points
Supplemental Internet Assignment ----	10 points (optional)
Notebook -----	10 points
	<u>341 points</u>

VI. Disability Statement

Campbellsville University is committed to reasonable accommodations for students who have documented learning and physical disabilities as well as medical or emotional conditions. If you have a documented disability or condition of this nature, you may be eligible for disability services. Documentation must be from a licensed professional and current in terms of assessment. Please contact the coordinator of Disability Services at 270-789-5192 to inquire about their services.

VII. Emergency Numbers - Campus Security

270-403-3611 (cell)
270-789-5555

VIII. Miscellaneous

A. Electronic Devices

All electronic devices such as cell phones are to be turned off during lab. No recording devices are allowed in lab. During tests, electronic devices will be turned off and put away.

B. Notebooks

There will be a \$10 fee to cover the production costs of the notebook. Payment is expected by the second laboratory session.

C. Since we meet only one time each week, communication will be through campus email. Check your campus email regularly.

My email: marogers@campbellsville.edu

My office phone: 270-789-5263

IX. Sexual Harassment Statement

Campbellsville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires all responsible employees, which includes faculty members, to report incidents of sexual misconduct shared by students to the University's Title IX Coordinator.

Title IX Coordinator:

Terry VanMeter
1 University Drive
UPO Box 944
Administration Office 8A
Phone - 270-789-5016
Email - twvanmeter@campbellsville.edu

Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at: www.campbellsville.edu/titleIX