

WEST VIRGINIA UNIVERSITY AT PARKERSBURG
UNIFORM COURSE SYLLABUS

Name of Course: Animals as Organisms Lab Course No. Biology 211 Lab

Department: Biology Division: Natural Sciences/Mathematics

I. Course Objectives

1. Employ the use of the microscope as a tool to study basic animal cell structure, histology, cell division embryology.
2. Compare & contrast invertebrate & vertebrate animal body system development through selected specimen dissections.
3. Observe morphological & behavioral characteristics of selected live profists, cnidarians & flatworms.

II. Topics to Be Studied

1. Microscopy
2. Cell morphology & tissues.
3. Mitosis & Meiosis.
4. Development/Embryology
5. Profists.
6. Multicellular Invertebrates
 - Sponges
 - Coelenterates
 - Flatworms
 - Roundworms
 - Segmeted Worms
 - Mollusks
 - Arthropods
 - Echinoderms
 - Chordates

III. Special Projects to Be Included in Course

Research papers **Reports**
Surveys **Annotated bibliographies**
Other

None

IV. Methods of Student Evaluation

Tests (how many? how often? what type?)

Quizzes

Oral Presentations

Written Papers

Laboratory Activities

Clinical Experiences

1. Lab practicals (2)
2. Announced & unannounced quizzes (4-6)

V. **Assessment of Outcomes**

**What measurements will be used to demonstrate that outcomes have been reached?
(Refers to class as a whole, not individual students.)**

90% of the students completing the lab will earn a letter grade of C or better in the course.

VI. **Other Information**

What additional information will help to clarify the course?

None