



# Wayne County Community College District

## COURSE SYLLABUS

### BIO 151 Human Ecology

---

**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:**

A course which develops interrelationships among living things and their environment, with emphasis on these interrelationships in the human community including environmental organization, life processes and conservation in everyday life. The student will be encouraged to offer solutions for environmental problems created by technology.

**PREREQUISITES / COREQUISITES:** NONE

**EXPECTED COMPETENCIES:**

Upon successful completion of this course, the student will:

1. Define *Ecology* and various ways in which living and non-living things interrelate and are interdependent.
2. Identify the role of Natural Selection in the process of Evolution and cite examples.
3. Recognize the concept of Biodiversity and describe how species relate within Populations and Communities.
4. Identify aspects of Aquatic and Terrestrial ecosystems and the effect of human activities on each.
5. Recognize the impact of Deforestation, Acid Deposition, Ozone Depletion, and Global Warming on the status of the global environment.
6. Recognize the principles of *Critical Thinking* and apply it to the understanding of Environmental Science and Human Ecology.

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9% = B  
70%-79.9% = C  
60%-69.9% = D  
<60% = E