

Hagerstown Community College
MASTER SYLLABUS

COURSE: Principles of Biology II BIO114
DATE: Spring 2018
INSTRUCTOR: R. Nickerson

COURSE DESCRIPTION: This is the second semester of a two semester biology sequence, with laboratory, intended for biology and other science majors in transfer programs. This course is a continuation of BIO 113 and includes: essentials of ecology and evolution, classification and phylogeny, mechanisms of evolution, microevolution, macroevolution, emergence of plant and animal diversity, form and function of plants and animals as organisms, ecosystem structure and function, community and population dynamics.

Laboratory fee required. 45 hours of lecture and 45 hours of lab. Laboratory fee required.

Prerequisite: BIO 101 or BIO 113 and CHM 103 or CHM 104 or CHM 103 or CHM 104

TEXTBOOK / MATERIALS REQUIRED

- Internet access / Bio114 Moodle website
- Campbell Biology in Focus, 2nd edition, Reece et al., Copyright 2016 Pearson Education ISBN 978-013-425-0618
- Mastering Biology (www.masteringbiology.com)
- Biology 114 Lab fee payable upon registration

STUDENT LEARNING OUTCOMES:

1. Students will apply knowledge of specific course content to enhance understanding of personal and societal scientific issues.
2. Students will be able to understand and apply the scientific method and use critical thinking skills in order to generate, graph, analyze and interpret scientific data and reports.
3. Students will use verbal and writing skills to clearly communicate biological concepts in a comprehensive scientific report.
4. Students will apply computer and information literacy skills in the preparation of a scientific report
5. Students will access, process, analyze and synthesize scientific information.

MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE:To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit.

For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework.

COURSE ACTIVITY	HOURS REQUIRED
In class attendance:	
Lecture	45
Laboratory	45
Outside of class:	
Reading	15
Homework Assignments	15
Quizzes	15
Exams	5
Pre-Lab	15
Lab Assignments	30
Total	185

Hybrid courses require the same number of hours. Lecture time for hybrid classes includes viewing media resources that instruct and clarify content and engaging in online class discussions and projects. Attend lab in person.

Services for Students with Disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.