BIOL 1020 Intro Biology II  Updated March 2017

INSTRUCTOR INFORMATION

Name
Office phone
Office location
Office hours
E-mail address

COURSE DESCRIPTION

A continuation of Intro to Biology I, this course surveys the kingdoms of life, with particular attention to the animal and plant kingdoms. In the animal kingdom, there is an emphasis on the human organism and its organ systems. In the plant kingdom, there is an emphasis on structure, nutrition, and reproduction. This course does not fulfill the science requirement for biology majors. Credit for BIOL 1120 and BIOL 1020 may not be used together to satisfy the general education natural science requirement.

*The laboratory component of the course is integrated into the lectures (i.e., there is no separate lab time).*

Credit: 4 credits, 3 class hours, 3 lab hours
Prerequisite: Level 2 placement in English and Reading.

COURSE OUTCOMES AND TOPICS

Upon successful completion of this course, the students will:

- Compare and contrast the characteristics and importance of viruses, bacteria, Archaea, protists, fungi, plants and animals and be able to identify organisms from each group.
- Describe the organization of the various human organ systems, how they interact, and the functions of each as well as be able to distinguish characteristic cell and tissue samples from each of the systems.
- Appraise the diversity of the plant kingdom including plant structure, nutritional processes, defenses, nutrient transport, reproduction and development.

COURSE TOPICS

- Introduction to Biological Diversity
- Prokaryotes
- Protists
- Plant Diversity
- Fungi
- Introduction to Animal Diversity
- Invertebrates
- Vertebrates
- Plant Structure, Growth, and Development
• Transport in Vascular Plants
• Plant Nutrition
• Angiosperm Reproduction and Biotechnology
• Plant Responses to Internal and External Signals
• Basic Principles of Animal Form and Function
• Animal Nutrition
• Circulation and Gas Exchange
• The Immune System
• Osmoregulation and Excretion
• Hormones and the Endocrine System
• Animal Reproduction
• Animal Development
• Nervous system
• Sensory and motor mechanisms

LAB TOPICS

• Taxonomy
• Bacteria
• Protists
• Fungi
• Plants
• Invertebrates
• Vertebrates
• Cells, Tissues, and Organs
• Respiratory System
• Circulatory System
• Urinary System
• Reproductive System
• Immune System
• Senses
• Nervous System

REQUIRED MATERIALS


COURSE POLICIES *** Subject to change at the instructor’s discretion

Attendance Policy

Each Instructor will provide information regarding his/her attendance policy. Failure to attend class will result in a final course grade of “FA” or “FN” (see explanation below) depending on the individual instructor’s course policy.

FA= failure, attendance-related (unofficial withdrawal) Last recorded date of attendance required
FN= failure, never attended class (unofficial withdrawal)

Assessment and Grading ***Subject to change at the instructor’s discretion

Lecture Tests

• Lecture tests will be multiple choice, short answer, matching, fill-in-the-blank, true-false or picture/diagram labeling.
• Lecture tests will account for 60% of the total course grade.
• No make-up lecture tests will be allowed.

Assignments/Essays/Presentations

Assignments covering a variety of topics will be given during the course of the semester.

• The format of the material will be at the discretion of the instructor.
• Assignments will account for 20% of the total course grade.
• Late assignments will not be accepted.
• Make-ups will not be allowed.

Laboratory Practical Exams

• Laboratory practical exams will be given.
• Lab practical exams will be identification on lab models, photographs, drawings or preserved animal specimens. Laboratory practical exams will account for 20% of the total course grade.
• Laboratory practical make-up examinations will NOT be given.

Final calculation of the course grade will be based on the following point distribution:

• 60% - Lecture tests
• 20% - Assignments/Essays/Presentations
• 20% - Laboratory Practical Exams

GRADING SCALE

A = 89.5 - 100.00
B = 79.5 - 89.49
C = 69.5 - 79.49
D = 59.5 - 69.49
F = Less than 59.5

There will be NO dropped grades; however, extra credit will be offered throughout the semester. The final exam cannot be made up under any circumstances. Lab activities and exams cannot be made up and an absence will result in a 0 for that day’s lab activity. Class attendance and participation will be taken into consideration for grades on the borderline.

Safety issues
The instructor will go over new regulations regarding safety in lab classes. You must turn in a signed copy of the regulations, and you will have a copy to keep.
STUDENT COMMUNICATION CHANNELS

It is the student’s responsibility to check NS Online (D2L) and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. NS Online contains specific course information and MyNSCC contains information important for other purposes.

ADA STATEMENT

Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Access Services Center located in K-106 Kisber. Such Services must have proof of documentation that is not over 3 years old. Contact the Access Services Coordinators at 615-353-3721 or 615-353-3741.

CLASSROOM BEHAVIOR

Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or in conduct which violates the general rules and regulations of the College.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.). Please be aware that children are not allowed in class or unattended on campus.

Academic Dishonesty (Honor Code)

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. “Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words” (A Writer’s Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else’s work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor’s permission, allowing someone else to copy or use
your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an “F” or a “Zero” for the exercise, paper, or examination or to assign an “F” for the course.

**NOTE:** This syllabus is meant simply as a guide and is subject to change or revision at the instructor’s discretion.