



# BSC 2010 General Biology I

INDIAN RIVER STATE COLLEGE *TENTATIVE* COURSE SYLLABUS

**General Biology I (BSC 2010) Ref #219078**

Fall 2016, TR 930-1045 (Pruitt campus, S-219)

Dates	Lecture Topic	Readings
Aug 25	Introduction	Ch. 1
Aug 30/Sep 1	Molecules/Water;	Ch. 2
Sep 6/8	Macromolecules; <b>EXAM I (Ch 1-3);</b>	Ch. 3
Sep 13/15	Cell structure/function; Membranes	Ch. 4, 5
Sep 20/22	Energy/Metabolism	Ch. 6
Sep 27/29	<b>Exam II (Ch 4-6)</b> Cellular respiration	Ch. 7
Oct 4/6	Cellular respiration; <b>Midterm Exam (Ch 1-7)</b>	Ch. 7
Oct 11/13	Photosynthesis	Ch 8
Oct 18/20	Mitosis; Meiosis	Ch. 10, 11
Oct 25/27	Meiosis; <b>EXAM III (Ch 8, 10 &amp; 11)</b>	Ch. 11
Nov 1/3	Inheritance	Ch. 12
Nov 8/10	Chromosomes	Ch. 13
Nov 15/17	<b>EXAM IV (Ch 12-13);</b> DNA	Ch. 14
Nov 22/24	Genes; <b>Holidays (W, R, F)</b>	Ch. 15
Nov 29/Dec 1	Population genetics; <b>Exam V (Ch 14, 15, 20)</b>	Ch. 20
Dec 6/8	Evolution; <b>Final Exam (Thur; Ch 8, 10-15, 20-21)</b>	Ch. 21

**INSTRUCTOR:** Dr. Bill Tyler  
**OFFICE:** S-207, Main Campus

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**TEXT:** Raven et al. 2014. *Biology*, 10<sup>th</sup> ed. McGraw-Hill Companies, Inc. with online access code (an IRSC special edition and e-book are also available).

**COMPANION WEBSITES:** Blackboard course website

<http://wtyler-irsc.weebly.com>

<http://connect.customer.mcgraw-hill.com/student-start/>

**GRADING: Chapter Assignments** - Hardcopy worksheets **must** be completed and submitted to the instructor at the time of the respective exam to count toward the final grade, unless special arrangements have been made with the instructor. The average of all assignments will count as the equivalent of one exam grade.

**Exams** - There will be four **unit exams** (40 multiple choice questions each worth 100 points) and two **comprehensive exams**, (midterm & final, each with 50 multiple choice questions for 100 points).

**Final Course Grade** - The lowest score of all exams (except the final) will be dropped. The five remaining exam grades and the average of the chapter assignments will be averaged together to calculate the final course grade.

The final course grade is based on the percentage of total percentage points:  
90 -100 = A; 80 - 89 = B; 70 - 79 = C; 60 - 69 = D; below 60 = F

**W** - deadline is Tuesday, Oct. 31; **I** - if passing but emergency prevents taking final

**MAKE-UP POLICY:** No make-up exams will be given. Students will be allowed to drop one exam grade during the semester (except the final exam). This should cover any illness, emergency, or other. You should "bank" this opportunity, allowing you to DROP one exam grade if you have taken all exams and completed your chapter assignments. Contact instructor **before** exam or quiz if you plan to miss it.

**ATTENDANCE:** Students are expected to be prepared & present in lecture sessions. Students are responsible for material covered in each session & must be aware of any changes in exam schedule. Activity quizzes **must** be taken online as above.

**EXTRA CREDIT:** No extra credit work is available. Students need to spend their time on required material.

#### **COURSE OBJECTIVES:**

- To acquire an overview of the taxonomy, anatomy, and physiology of the plant and animal kingdoms.
- To examine how populations interact in ecosystems.
- To understand the anatomy and physiology and evolution of human organ systems.

#### **STUDENT LEARNING OUTCOMES:**

Upon completion of BSC 2010, General Biology I, students will have the ability to

- Communicate major biological concepts and relate how these are connected within various areas of the biological and physical sciences in a laboratory setting.
- Apply problem solving, analytical, and communication skills based on the scientific method that will provide the foundation for lifelong learning and career development.

**CHEATING AND PLAGIARISM:** Cheating (including plagiarism) of ANY kind will not be tolerated by this department. Any student caught cheating will receive an immediate zero on the exam/assignment and potentially an "F" in the course (no withdrawal allowed).

**GENERAL INFORMATION:** Students will supply their *own* Scantron answer sheets for exams. You must use a No. 2 pencil to mark your answers. You are responsible for ensuring that all erasures are complete - I will not re-grade any Scantron after it has been given to the student. Turn mobile devices to silent while in class.

**STUDENTS WITH DISABILITIES:** In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, professional disability specialists and support staff at the Student Disability Services (SDS) facilitate a comprehensive range of academic support services and accommodations for qualified students with disabilities. IRSC offers many disability resources at on-campus labs. Students who wish to request an accommodation for a documented disability should contact the SDS at 772-462-7782 or 772-462-7808.

**NON-DISCRIMINATION AND NON-HARASSMENT POLICY:** Indian River State College (College) is committed to maintaining a fair and respectful employment and educational environment. In accordance with federal, state and local equal opportunity laws, Indian River State College prohibits discrimination on the basis of race, color, national origin, ethnicity, sex, religion, age, disability, sexual orientation, marital status, veteran status, or genetic information.

**STATEMENT TO STUDENTS:** If you are experiencing difficulty in your course, your first obligation is to work directly with your instructor to resolve the issue. If you are unable to settle your concerns with the assistance of your instructor, you can contact the Department Chair (Dr. Jennifer Capers, 462-7556, [jcapers@irsc.edu](mailto:jcapers@irsc.edu)), who will assist you or advise you about contacting the Academic Dean (Dr. Paul Horton, 462-7503,) or Vice President (Dr. Marta Cronin, Vice President of Academic Affairs 462-7215).

**STUDENT SUPPORT:** IRSC's **River Support** system is available for any difficulties during the semester, including personal, financial and academic problems. It may be accessed at <https://esweb.irsc.edu/Mariner/student/ssp/faq.jsp> or from the IRSC home page.

### **PRACTICE GOOD STUDY HABITS**

- **IMPORTANT:** Challenge yourself by recalling information from memory as you would during exams. Use study aides and online quizzes to help do this. Repetition is key!!
- **Use Connect as intended.** Study as you would for an exam before attempting Connect assignments; this will identify your weak areas and simulate taking an exam (see above).
- **Start early.** **Set aside study time** and use it *only* for studying. Plan on studying an average of 2-3 hours per college credit for each course per week.

- **Study often** when well rested in a quiet, comfortable location. *Don't wait to cram.*
- Look over the **Chapter Study Guides** (available under Content) before you begin reading the chapters. Most of the study guide questions and vocabulary terms follow the text closely. There is no need to turn in your work; these study aids are for you.
- **Read the assigned chapters** in the text before coming to class. *Take notes* following the chapter study guides.
- **Take notes** in lecture and while reading the chapters, and combine these into one set. The more you write down (repeatedly), the more you will remember. *Recent research shows that writing by hand increases learning more than typing on a computer.*
- **Recopy notes** by hand after lecture. Clarify confusing points using the text or asking instructor. The more you write, the more likely you will remember material for the exams.
- **Make flash cards** to help learn vocabulary and definitions. Vocabulary terms are typically indicated in bold type in each chapter. It is recommended to consider any term you are not familiar with (within the context of the material) as a vocabulary term.
- **Draw and label** processes and sequences of events for better visualization.
- **Ask questions** via course email.
- **Organize study groups** to help you with answering questions and teaching each other.
- **Tutoring** in ASC is available for free...use it!!