

SYLLABUS*

BIOL 1030A. Introductory Biology: Organismal Biology (CRN 21815) – Spring 2005

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Office Hours: MWF 10:05-10:50 am (To make an appointment for another time please contact me by email or telephone.)
Class: MWF, 12:00-1:00 pm, 3009 Biology-Chemistry Building

Textbook: **The Unity and Diversity of Life, Tenth Edition**
By Cecie Starr and Ralph Taggart
Wadsworth Group; Thomson Learning, Brooks/Cole, 2004
ISBN: 0-534-38800-0

The **OBJECTIVE** of this course is to help students acquire a basic knowledge of biology, with emphasis on the following areas: biological chemistry, cell biology, genetics, and structural and physiological adaptations of animals.

SPECIAL NOTES TO STUDENTS:

1. In order to respect the privacy of each student, exam scores and grades will not be posted, given out by telephone, or sent to students by email.
 2. Students are advised to consult the VSU Student Handbook, the Undergraduate Catalog, the Spring Semester 2005 Calendar, and the Schedule of Classes for information about VSU policies and procedures regarding registration, drop/add, and withdrawal. March 2 is midterm. Students are not permitted to withdraw after midterm except in cases of hardship.
 3. Students requiring classroom accommodations or modifications because of documented disability should discuss this need with the instructor at the beginning of the semester. Students not registered with the Special Services Program should contact the Special Services Office, Nevins Hall 1115 (phone: 245-2498).
 4. Cell phones may not be used during examinations or at any time in class or lab.
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***This is a tentative syllabus. Changes to this syllabus will be announced during class.**

BIOLOGY 1030. Class Schedule

Date	Topics	Textbook Chapters
M, Jan. 10	General course information Unity & diversity of life	Chapter 1
W, Jan. 12	Unity & diversity of life Nature of biological inquiry	Chapter 1
F, Jan. 14	Chemical foundations for cells Carbon compounds in cells	Chapter 2 Chapter 3
M, Jan. 17	Martin Luther King Day (Holiday)	
W, Jan. 19	Carbon compounds in cells	Chapter 3
F, Jan. 21	Carbon compounds in cells Cell structure & function	Chapter 3 Chapter 4
M, Jan. 24	QUIZ 1 Cell structure & function A closer look at cell membranes	Chapter 4 Chapter 5
W, Jan. 26	A closer look at cell membranes Ground rules of metabolism	Chapter 5 Chapter 6
F, Jan. 28	Ground rules of metabolism How cells acquire energy; photosynthesis	Chapter 6 Chapter 7
M, Jan. 31	Photosynthesis	Chapter 7
W, Feb. 2	Photosynthesis	Chapter 7
F, Feb. 4	How cells release stored energy	Chapter 8
M, Feb. 7	EXAM 1	
W, Feb. 9	How cells release stored energy	Chapter 8
F, Feb. 11	How cells release stored energy Cell division & mitosis	Chapter 8 Chapter 9
M, Feb. 14	Cell division & mitosis Meiosis	Chapter 9 Chapter 10
W, Feb. 16	QUIZ 2 Meiosis	Chapter 10
F, Feb. 18	Observable patterns of inheritance	Chapter 11
M, Feb. 21	Observable patterns of inheritance	Chapter 11

W, Feb. 23	Observable patterns of inheritance Human genetics	Chapter 11 Chapter 12
F, Feb. 25	QUIZ 3 Human genetics	Chapter 12
M, Feb. 28	Human genetics	Chapter 12
W, Mar. 2	DNA structure & function	Chapter 13
F, Mar. 4	DNA structure & function From DNA to proteins	Chapter 13 Chapter 14
M, Mar. 7	From DNA to proteins	Chapter 14
W, Mar. 9	EXAM 2	
F, Mar. 11	From DNA to proteins	Chapter 14
M, Mar. 14	Controls over genes	Chapter 15
W, Mar. 16	Controls over genes Recombinant DNA & genetic engineering	Chapter 15 Chapter 16
F, Mar. 18	Recombinant DNA & genetic engineering	Chapter 16
M, Mar. 21	Recombinant DNA & genetic engineering	Chapter 16
W, Mar. 23	QUIZ 4 Recombinant DNA & genetic engineering	Chapter 16
F, Mar. 25	How plants & animals work	Chapter 28
	SPRING BREAK	
M, Apr. 4	How plants & animals work Animal tissues and organ systems	Chapter 28 Chapter 33
W, Apr. 6	Animal tissues and organ systems Integration & control: nervous systems	Chapter 33 Chapter 34
F, Apr. 8	Integration & control: nervous systems	Chapter 34
M, Apr. 11	QUIZ 5 Integration & control: nervous systems	Chapter 34
W, Apr. 13	Integration & control: endocrine systems	Chapter 36
F, Apr. 15	Integration & control: endocrine systems Immunity	Chapter 36 Chapter 39
M, Apr. 18	EXAM 3	
W, Apr. 20	Immunity	Chapter 39

EXAM 2	200	POINTS
EXAM 3	200	POINTS
FINAL EXAM	250	POINTS
QUIZZES (5X30 POINTS)	150	POINTS

TOTAL FOR COURSE	1000	POINTS

GRADING SCALE:	900-1000	A
	800-899	B
	700-799	C
	600-699	D
	≤ 599	F