HUMAN BIOLOGY (BIOL 100A) SYLLABUS

General Education Course (Natural Science) / 3 Credit Hours
Department of Biological Sciences / Fort Hays State University

Spring 2016 / AH 335 / MWF 8:30-9:20

Most recent update of the syllabus: **29 March 2016**

***Instructor*: Mark Eberle**
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- **Course Description:** An introductory course examining the fundamental concepts of human structure and function as the starting point for the exploration of principles common to all living systems and the interrelationships between humans and the rest of the biosphere.
- **Objectives of the Course:** The course will expand your knowledge of how the human body works over successive levels of organization from molecules of life to organ systems to organisms. You will learn how humans, one of a myriad of organisms on earth, have evolved and interact with each other, other species, and the environment.
- **Course Content:** Concepts covered in Human Biology include the scientific method, characteristics of living organisms, cell structure and function, organization of cells into tissues and organs, major organ systems, genetics, and evolution.
- **Format:** Lecture (MWF 8:30–9:20).
- **Textbook:** ***optional***. This class follows the book *What is Life? A Guide to Biology with Physiology* by Jay Phelan. If you feel it would be beneficial to you to have supplemental reference, this would be the best book to choose.
- **Lecture Notes Outlines:** Outlines for the lecture notes are available as Microsoft Word documents. You should save these to your computer and use them to rewrite and organize your notes. Do this after each class; do not wait until it is near test time. You will want to have plenty of time to visit with the instructor about questions you might have in your notes. A printed study guide for the final (Test 6) will be handed out in class.
- **Grades:** A total of 350 points are possible, based primarily on scores from 6 tests. Five tests will be 50 points, mostly in the form of short-answer and fill-in-the-blank questions. The comprehensive final will also be 50 points and is entirely multiple choice. Four pop quizzes and 4 writing assignments worth 10 points each will also be given, and the top 5 scores will be used in calculating the final grade (equivalent to one test). Quizzes or writing assignments missed for excused absences can be included in the dropped scores.
- **Grading Scale:** Based on 90–80–70–60% for grades A–B–C–D. **NO EXTRA-CREDIT** assignments will be offered.
- **Attendance:** Attending and engaging in class are necessary to obtain adequate notes. Test questions are taken from the lecture material covered during class. Given that students in this course are not biology majors, you are encouraged to make occasional or regular appointments with the instructor for assistance outside class. **STUDY FOR TESTS WELL BEFOREHAND — DO NOT WAIT UNTIL A NIGHT OR TWO BEFORE A TEST TO STUDY**.
- **Biology Lab:** ***optional***. If you are enrolled in lab (BIOL 102), it might help you in lecture, but the grades will be separate.
- **General Academic Policies:** This course will comply with general academic policies regarding adding or dropping courses, grade appeals, academic honesty, class attendance, and intellectual property rights as outlined in the University Catalog.

TENTATIVE LECTURE AND TEST SCHEDULE

Updated through the semester, as necessary.

DATE		CLASS ACTIVITY	DATE		CLASS ACTIVITY
January	18	**No Class (*holiday*)**	March	21	Animal A&P
	20	Scientific Method		23	Animal A&P
	22	Scientific Method		25	Animal A&P
	25	Chemistry		28	Animal A&P
	27	Chemistry		30	Animal A&P
	29	Chemistry	April	1	**No Class**
February	1	Cells		4	Animal A&P
	3	Cells		6	**Animal A&P Test 1**
	5	Cells		8	Animal A&P
	8	Cells and Test 1 Review		11	Animal A&P
	10	Genetics		13	Animal A&P
	12	**Chemistry/Cells Test**		15	Ecology
	15	Genetics		18	**Animal A&P Test 2**
	17	Genetics		20	Ecology
	19	Genetics		22	Ecology
	22	Genetics		25	Ecology
	24	Genetics		27	Review
	26	**No Class**		29	**Ecology Test**
	29	Genetics	May	2	Review for Final
March	2	Genetics		4	Review for Final
	4	Animal A&P		6	Review for Final
	7	Animal A&P		9	
	9	**Genetics Test**		**11**	**FINAL EXAM - 8:30**
	11	Animal A&P		13	
	14	***Spring Break***			
	16	***Spring Break***			
	18	***Spring Break***			

Mark Eberle Homepage / **FHSU Biology Homepage**