

BIOL 355: Human Anatomy and Physiology I

Course Syllabus

Instructors: Dr. Daniel Selski

338F Science

Office: 963-2881

selskid@cwu.edu

Hours: Tu & Th 9-10; W&F 12-1

Dr. Jason Irwin

338D Science

Office: 963-2884

irwinj@cwu.edu

Hours: M 12-1, Tu & Th 9-10, or drop in

Text: Seeley et al., Essentials of Anatomy & Physiology, 6th ed., McGraw-Hill.

Course objectives:

BIOL 355 is the first of a two-course sequence (with BIOL 356) that introduces students to human anatomy and physiology. Our approach is systematic and emphasizes the interrelationships of body organ systems and the complementary nature of structure and function. Extensive laboratory exercises, including dissection of preserved specimens and exercises with live animals reinforce the concepts covered in the lecture portion of the course. This course is co-taught by two instructors: Dr. Selski, an anatomist, and Dr. Irwin, a physiologist.

Use of live animals:

The laboratory exercises this quarter will include experimental procedures on live animals (frogs). It is the responsibility of both the instructors and the students to ensure that these living beings are treated with respect and to minimize their suffering. Other exercises will involve non-invasive measurements taken on human subjects (you and your class-mates). No student will be forced to participate in a procedure they find distasteful.

Grading:

There will be two lecture exams and three laboratory practical exams. These exams will not be, strictly speaking, cumulative. However, there will be considerable overlap in the material covered and you will need to apply knowledge learned earlier in the course to answer questions on later exams.

Grade distribution:

Lecture

Exam I: 25%

Exam II: 30%

Total: 55%

Laboratory

Laboratory Practical I: 10%

Laboratory Practical II: 15%

Laboratory Practical III: 15%

Laboratory Participation 5%

45% = 100%

Letter grades will be assigned according to the percent grade calculated by the evaluation scheme above. The tentative conversion is:

A = ≥93%	B+ = 86-88%	C+ = 77-79%	D+ = 67-69%
A- = 89-92%	B = 83-85%	C = 74-76%	D = 60-66%
	B- = 80-82%	C- = 70-73%	F = ≤59%

Course policies:

1. If you miss a class, it is your responsibility to contact a class-mate to obtain the lecture notes. The PowerPoint lectures (available after class on Blackboard) are only outlines, not detailed class notes.
2. Make-up exams will be allowed only if arranged in advance, in cases of illness (documented with a doctor's note specifically stating that you were ill during the period of the exam), or other emergency as outlined in the University Catalog. Exams missed without a legitimate reason (as dictated by university policy) will be given a grade of zero.
3. Make-up laboratory practical exams will not be given.
4. There are no opportunities to earn extra credit.
5. Students requiring any special needs are encouraged to discuss issues with the instructor and/or with Disability Support Services (509) 963-2171.

A final note:

We believe that the material covered by this course is inherently interesting, especially given that we all inhabit the body we will study so intensively. We hope that this course will help you will develop a new appreciation for the human body and to apply this knowledge throughout your personal and professional lives.

Biol 355: Human Anatomy & Physiology I, Fall 2006
Tentative lecture and laboratory schedule:

Date	Lecture topic	Instr.
Sept. 20 W	Biological molecules, cells	Jl
22 F	Cell structure & function	Jl
25 M	Skull	DS
27 W	Histology	DS
29 F	Integument/Skeleton Physiology	Jl
Oct. 2 M	Integument	Jl
4 W	Skeleton	DS
6 F	Articulations	DS
9 M	Muscular Anatomy	DS
11 W	Muscular Anatomy	DS
13 F	Muscular Physiology	Jl
16 M	Muscular Physiology	Jl
18 W	Muscular/Nervous Physiology	Jl
20 F	Nervous Physiology	Jl
23 M	Nervous Physiology	Jl
25 W	Spinal Cord & Reflexes	DS
27 F	Spinal Cord & Peripheral Nerves	DS
30 M	Brain	DS
Nov. 1 W	Cranial Nerves	DS
3 F	Autonomic N.S.	Jl
6 M	Autonomic N.S.	Jl
8 W	Sensory Systems	DS
10 F	Veterans Day Holiday	
13 M	Sensory Systems	DS
15 W	Endocrinology (Ch. 10)	Jl
17 F	Endocrinology (Ch. 10)	Jl
20 M	Blood	DS
22 W	Thanksgiving	
24 F	Thanksgiving	
27 M	Cardiovascular	DS
29 W	Cardiovascular	DS
Dec. 1 F	Catch-up/review	
5 Tues	Final: Lecture Exam II at noon!	

Date	Laboratory topic*	Instr.
Sept. 21	Osmosis	Jl
26	Skeletal Anatomy	DS
28	Histology	DS
Oct. 3	Skeletal Anatomy	DS
5	Review	DS
10	Lab Practical I	
12	Muscle Anatomy	DS
17	Muscle Anatomy	DS
19	Muscle Physiology	Jl
24	Neuromuscular Physiology	Jl
26	Muscle Anatomy	DS
31	Lecture Exam I	
Nov. 2	Lab Practical II	
7	Nervous Physiology	Jl
9	Nervous Anatomy	DS
14	Nervous Anatomy	DS
16	Sensory Physiology	Jl
21	Sensory Anatomy	DS
23	Thanksgiving	
28	Blood typing	DS
30	Lab Practical III	

*Laboratory sections taught by Dr. Selski will be held in room 326 and those by Dr. Irwin in room 228 unless other instructions are given.