

Principles of Biology Labs: Spring 2014

Lab Section	Date	Time	Room	Instructor	Graduate T.A.
Biol 180L C	Monday	12:30 - 2:20 pm	AH 245	Joanna L. Fay	Ian Cost
Biol 180L E	Monday	2:30 - 4:20 pm	AH 245	Joanna L. Fay	(none)
Biol 180L A	Tuesday	8:30 - 10:20 am	AH 245	Joanna L. Fay	Andrew Karlin
Biol 180L B	Tuesday	10:30 am - 12:20 pm	AH 245	Joanna L. Fay	Elizabeth Bainbridge
Biol 180L D	Tuesday	12:30 - 2:20 pm	AH 245	Brian R. Maricle	Jeffrey Carter
Biol 180L F	Tuesday	2:30 - 4:20 pm	AH 245	Brian R. Maricle	Elizabeth Bainbridge

Instructor:	Brian R. Maricle	Joanna L. Fay
Office:	Albertson 402	Albertson 311
Phone:	785-628-5367	785-628-5665
Email:	brmaricle@fhsu.edu	jlfay@fhsu.edu
Office Hours:	Tu 10:00-12:00, Th 12:00-1:00	W 9:30-11:20, Th 9:30-10:20

Graduate TA:	Elizabeth Bainbridge	Ian Cost	Jeffrey Carter	Andrew Karlin
Office:	Albertson 425	Albertson 425	Albertson 317	
Email:	egbainbridge@mail.fhsu.edu	incost@mail.fhsu.edu	jjcarter2@mail.fhsu.edu	atkarlin@mail.fhsu.edu
Office Hours:				

Undergraduate Apprentice:	Nathan Honas	Garrit Flax	Alysia Schwarz
Lab Section:	Monday 12:30	Monday 2:30	Tuesday 10:30

Required: Packauskas, Kobayashi, and Maricle, Principles of Biology Laboratory Guide, 2013-2014; available at either bookstore.

Reference: Reece, J.B., M.R. Taylor, E.J. Simon, and J.L. Dickey. 2012. *Campbell Biology: Concepts and Connections*, seventh edition. Pearson Benjamin Cummings, San Francisco. ISBN 978-0-321-69681-6

Required Supplies: Three ring binder (1.0 - 1.5"), lined and unlined paper, pencil and eraser for drawing, six or twelve inch ruler for measuring and drawing lines for labeling.

Attendance: Mandatory! Attendance of the lab is mandated by FHSU. There are no excused absences from lab. Labs cannot be "made-up"--- if you miss, you are still responsible for the information AND assignments associated with the missed lab on the SAME schedule as the rest of the class. Late work is not accepted for any reason. If you are aware of ANY day you will miss, notify your lab instructor immediately. **Lab exams CANNOT be missed. Make-up exams will not be given. Make-up quizzes will not be given.**

Grading:	Weekly homework and writings	120
	Weekly quizzes (10 pts x 10, minus low score)	90
	Lab report (two drafts plus critique)	75
	Two practical exams	200
	Lab notebook	75
	Attitude, participation, and attendance	50
	TOTAL POINTS POSSIBLE	610

A	90-100%	549 – 610 points
B	80-89%	488 – 548 points
C	70-79%	427 – 487 points
D	60-69%	366 – 426 points
U	< 60%	0 – 365 points

Tentative Lab Schedule:

January	20-21	NO LABS: MARTIN LUTHER KING, JR. DAY
	27-28	Lab 1: Introduction; Microscopes, Aquatic Organisms
February	3-4	Lab 2: Chemistry of Food: Organic Molecules
	10-11	Lab 3: Cells and Tissues
	17-18	Lab 4: Set Up Fast Plant Experiments
	24-25	Lab 5: Enzyme Kinetics
March	3-4	Lab 6: Embryology and Cell Division
	10-11	Lab Practical 1
	17-18	NO LABS: SPRING BREAK
	24-25	Lab 7: Meiosis and Heredity
April	31-1	Lab 8: Data Analysis and Microsoft Excel Tutorial, Writing Tutorial
	7-8	Lab 9: The Prokaryotes; Fast Plant Paper Due ; Critiques of Papers
	14-15	Lab 10: Simulating Natural Selection
	21-22	Lab 11: Classification and Identification (Final Drafts Due)
	28-29	Lab 12: Tour Research Collection at Sternberg Museum
May	5-6	Lab Practical 2; Lab Notebook Due

Lab notebook (75 pts) is due in class May 5-6. It should include all lab write-ups, drawings, graphs, tests, etc. in an organized fashion!

Lab Policies:

1. Plagiarism is not acceptable and will result in a score of zero for that assignment. This includes all written assignments. Even if you are working in a group, you are to turn in your own original work.
2. Upon receiving test or homework grades, students have one week to make a **written** appeal on grading style, addition of points, etc. After that week, no grade changes will be made.
3. Tardiness is an avoidable problem. It is understandable for a student to be late occasionally. However, continual tardiness is disruptive. In addition, quizzes are at the beginning of lab and cannot be made up if they are missed (no exceptions).
4. If, at the end of the semester, you have a different calculated grade than what your lab instructor has calculated, you will need all of your exams, quizzes, homework, abstracts (or anything else that has had a grade assigned to it), to have your grade recalculated. *Note:* grades you have been assigned for past assignments are not up for debate; that should have been handled according to #2.