

## Biology 180 Class Schedule – Spring Quarter 2019

Instructor	Coordinator	Field Trips
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Text: *Biological Science, 6th Edition*, Freeman (Complete or Custom Edition)

Wk	Day	Date	Textbook Reading - Do before class	RQ**	Lecture Topic	Laboratory Topic	
1	M	Apr 1	Bioskills 2; 12; 18	21-24; 45-47; 53-54	none	Course Intro & Study Skills	<b>Lab 1</b> Experimental design
	Tu	Apr 2	Sec 1.2 (part); Fig. 50.4	3-4; 1055	none	Experimental Design	
	W	Apr 3	22.1 & 22.2	435-444	01	Evidence for Evolution	
	Th	Apr 4	1.3; 22.3 & 22.4	4-5; 445-450	02	Evolution by Natural Selection	
	F	Apr 5	none	none	none	<i>Practice exam (online)</i>	
2	M	Apr 8	14.1 & 14.2	289-296	03	The Mechanism of Inheritance	<b>Lab 2</b> Genetic variation (and antibiotic resistance prep I)
	Tu	Apr 9	14.3; 12.2; 13.1	296-99; 257-63; 271-80	04	Two-Trait Crosses; Mitosis & Meiosis	
	W	Apr 10	14.4	299-302	05	Chromosome Theory of Inheritance	
	Th	Apr 11	14.5	302-309	06	Linkage & Other Extensions	
	F	Apr 12	none	none	none	<b>Exam 1 *</b>	
3	M	Apr 15	14.6	310-312	07GD	Human Genetics	No Labs This Week
	Tu	Apr 16	1.4; Fig 15.4; 16.1-16.4	5-6; 319; 335-346	07GM	Genes, Alleles, & Mutations	
	W	Apr 17	13.2 - 13.4	280-286	09	Genetic Variation	
	Th	Apr 18	After class see lect. outlines page for supplement	none	none	Hardy-Weinberg Equilibrium Principle	
	F	Apr 19	none	none	none	<i>Practice exam (online)</i>	
4	M	Apr 22	Bioskills 3-5	24-27	08	Data Analysis & Statistics	<b>Lab 3</b> Introduction to Statistics and Data Analysis (and antibiotic prep II)
	Tu	Apr 23	23.1; 23.3 (part)	456-460; 462-5	11	Patterns of Selection	
	W	Apr 24	22.5	451-453	12	Misconceptions about Natural Sel'n	
	Th	Apr 25	23.4	469-473	13	Genetic Drift	
	F	Apr 26	none	none	none	<i>Practice exam (online)</i>	
5	M	Apr 29	23.6; 23.5; 23.2	475-77; 473-74; 461-62	14	Mutation, Migration, & Inbreeding	<b>Lab 4</b> Antibiotic Resistance Results and Analysis
	Tu	Apr 30	Bioskill 13; 25.1	47-48; 496-503	15	Inferring Phylogenies	
	W	May 1	24.1-24.3	480-490	16	Speciation	
	Th	May 2	23.3 (part); 50.3	466-469; 1056-1058	25	Sexual Selection	
	F	May 3	none	none	none	<b>Exam 2 *</b>	
6	M	May 6	25.2; 1.5	503-507; 6-9	17	History of Life: Fossils, Innovations	<b>Lab 5</b> Phylogenetics I Inferring Trees
	Tu	May 7	25.3 & 25.4	507-513	18	History: Radiations & Extinctions	
	W	May 8	OpenStax CoB	291-304; 311-318	19	Innovations: Microbes & Fungi	
	Th	May 9	28.2; 28.3 & 28.4 (pts)	564-572; 576-583	20	Innovations: Plants	
	F	May 10	none	none	none	<i>Practice exam (online)</i>	
7	M	May 13	30.1 & 30.2; 31.1	614-623; 635-637	21	Innovations: Animals	<b>Lab 6</b> Phylogenetics II Reading Trees
	Tu	May 14	51.3; 51.4 (part)	1076-1083	22	Population Growth	
	W	May 15	39.1; 51.2; 51.5	818-21; 1072-6; 1084-6	23	Human Pop'n Growth; Life Histories	
	Th	May 16	52.1 (part)	1100-1101	27	Disease Ecology	
	F	May 17	none	none	none	<b>Exam 3 *</b>	
8	M	May 20	52.1 (part)	1092-1097	29	Competition	<b>Lab 7</b> Research Data Analysis
	Tu	May 21	52.1 (part)	1098-1100	28	Consumption & Parasitism	
	W	May 22	52.1 (part)	1101-1103	30	Mutualism & Coevolution	
	Th	May 23	50.1 & 50.2; 50.6	1052-1056; 1064-1067	38	Behavioral Ecology	
	F	May 24	none	none	none	<i>Practice exam (online)</i>	
9	M	May 27	none	none	none	<b>Memorial Day – No Classes</b>	<b>Lab 8</b> Biodiversity and Ecosystem Function I: Data Collection
	Tu	May 28	52.4; 53.1; 54.3	1111-3; 1117-8; 1152-5	26	Biodiversity & NPP	
	W	May 29	49.3; 49.5	1036-1039; 1043-1047	39	Earth: Wind & Water	
	Th	May 30	39.5; 32.4 (part)	831-834; 668-669	40	Physiological Ecology & Trade-offs	
	F	May 31	none	none	none	<i>Practice exam (online)</i>	
10	M	Jun 3	53.1 & 53.2	1117-1129	31	Ecosystems: Energy & Nutrients	<b>Lab 9</b> Biodiversity and Ecosystem Function II: Results and Analysis
	Tu	Jun 4	53.3	1129-1136	32	Ecosystems: Climate Change	
	W	Jun 5	54.1 & 54.2	1139-1151	33	Conservation: Threats	
	Th	Jun 6	54.3 & 54.4	1152-1159	34	Conservation: Strategies	
	F	Jun 7	none	none	none	Exam review	
F	M	Jun 10	<b>2:30-4:20 pm Exam 4 *</b>				
	T	Jun 11					

\* We never give early or late (makeup) exams; no exceptions! If you have an exam time conflict, please contact John Parks within the first two days of the quarter. See the course Policies for details.

\*\* RQ = reading quiz; see the online syllabus