Biology 180 Class Schedule – Spring Quarter 2015

Instructor	*Coordinator*	*Field Trips*
Dr. Jamie Oaks joaks1@uw.edu	**John Parks** jwparks@uw.edu	**Celese Spencer** celese@uw.edu

Text: *Biological Science, 5th Edition,* Freeman
Class Web Site: http://courses.biology.washington.edu/biol180/

Lecture: M-Tu-W-Th, 10:30 am to 11:20 am, KNE 120
Labs: Hitchcock 243, 247

Wk	Day	Date	Text reading - do before class	Lecture topic	Laboratory Topic
1	M	Mar 30	Chapter 1; Bioskills 2 (B: 4-6)	Course Introduction & Experimental Design	**No lab this week**
	Tu	Mar 31	No reading	Professional development I: Study skills	
	W	Apr 1	444-453	Evidence for evolution	
	Th	Apr 2	453-459	Evolution by natural selection	
	F	Apr 3	No reading	***Practice exam (online 10:30-11:20)***	
2	M	Apr 6	256-263	Mendel: monohybrid crosses	**Lab 1** Hypothesis Testing
	Tu	Apr 7	263-266; 223-226; 237-246	Dihybrid crosses; mitosis and meiosis	
	W	Apr 8	266-271; 274	Chromosome theory of inheritance	
	Th	Apr 9	271-275; 277	Extensions to Mendel	
	F	Apr 10	No reading	***Practice exam (online 10:30-11:20)***	
3	M	Apr 13	277-279	Human genetic disease	**Lab 2** Genetic Variation (& Antibiotic prep I)
	Tu	Apr 14	62-64; 238-239; 304-305; 307-315	The gene, mutation, and alleles	
	W	Apr 15	275-276; 247-249; 251-253	Sources and extent of genetic variation	
	Th	Apr 16	No reading	Professional development II: Prof/grad school	
	F	Apr 17	No reading	**EXAM #1 ***	
4	M	Apr 20	Bioskills 3-6 (B: 4-9)	Statistics	**Lab 3** Introduction to Statistics (& Antibiotic prep II)
	Tu	Apr 21	465-470	Hardy-Weinberg principle	
	W	Apr 22	472-474	Patterns of natural selection	
	Th	Apr 23	459-462	Natural selection: misconceptions	
	F	Apr 24	No reading	***Practice exam (online 10:30-11:20)***	
5	M	Apr 27	478-482; 483-486	Mutation and drift	**Lab 4** Antibiotic Resistance Data Analysis
	Tu	Apr 28	482-483; 470-472	Gene flow; inbreeding	
	W	Apr 29	490-493; 505-516; Bioskills 7 (B: 10-11)	Inferring phylogenies; tree of life	
	Th	Apr 30	492-499	Speciation	
	F	May 1	No reading	**EXAM #2 ***	
6	M	May 4	447-448; 451-453; 511-516	History of life: major innovations	**Lab 5** Phylogenies I: Inferring Trees
	Tu	May 5	516-523	History of life: radiations, extinctions	
	W	May 6	580-588; 592-599	Innovations I: Plant diversification	
	Th	May 7	636-646	Innovations II: Animal diversification	
	F	May 8	No reading	***Practice exam (online 10:30-11:20)***	
7	M	May 11	686-691; 704-708	Innovations III: Chordate diversification	**Lab 6** Phylogenies II: Reading Trees
	Tu	May 12	475-478; 1095-1098	Behavioral ecology: sexual selection	
	W	May 13	1107-1112; 1113-1115	Population growth	
	Th	May 14	843-845; 1101-1107; 1116-1117	Human population growth; Life histories	
	F	May 15	No reading	**EXAM #3 ***	
8	M	May 18	1112-1117	Population structure	**Lab 7** Research Data Analysis
	Tu	May 19	1132-1133	Disease ecology	
	W	May 20	1123-1128	Competition	
	Th	May 21	1128-1132	Consumption	
	F	May 22	No reading	***Practice exam (online 10:30-11:20)***	
9	M	May 25	No reading	**Memorial Day – No Classes**	**Lab 8** Biodiversity and Ecosystem Function I: Data Collection
	Tu	May 26	1133-1135	Mutualism, Coevolution	
	W	May 27	1135-1142	Communities I: Disturbance, succession	
	Th	May 28	1142-1146; 1148-1150; 1184-1187	Communities II: Species richness, NPP	
	F	May 29	No reading	***Practice exam (online 10:30-11:20)***	
10	M	Jun 1	1150-1162	Ecosystems I: Energy and nutrients	**Lab 9** Biodiversity and Ecosystem Function II: Data Analysis
	Tu	Jun 2	1163-1169	Ecosystems II: Global climate change	
	W	Jun 3	1172-1184; 1189-1193	Conservation: Threats & strategies	
	Th	Jun 4	No reading	Professional development III: Research	
	F	Jun 5	No reading	Exam review	
11	M	Jun 8		**EXAM #4 (8:30-10:20) ***	

*** 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.**