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BIOB 170N.01: Principles of Biological Diversity

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Biology 170: Principles of Biological Diversity

Summer 2013 Course Syllabus

MTWR 11:30-1:20 HS 411

Instructor: Greg Peters

207-6154

Office hours: see me after class or by appointment

greg.peters@mso.umt.edu

Text: *Campbell Biology 9th Ed.* (Reece and others, 2011)

Course Overview:

This course will explore the remarkable diversity of life on Earth by examining the major groups of living things, ranging from bacteria through animals. Other topics related to this central theme will include:

- Basic cell biology
- Relationships between organisms
- Introduction to ecology

Suggestions for Success:

Regular attendance is critical. You can make sure to get the most out of classroom time by reading each assignment before class. Please raise questions whenever something is either unclear or maybe just particularly interesting; discussion and clarification of challenging concepts can benefit the entire class. I will always be available after class to help students; stick around, set up an appointment, or send me an email with any questions you have.

Grading:

Exams will include short answer, drawing, fill in the blank, multiple choice, and other questions. You will receive a separate grade for Biology 171 if you are enrolled in the lab. Grading will break down as follows:

Exam 1	100 pts	90-100% = A- to A
Exam 2	100 pts	80-89% = B- to B+
<u>Exam 3</u>	<u>100 pts</u>	70-79% = C- to C+
Total	300 pts	60-69% = D- to D+

Course policies:

Students are expected to work alone during exams. Make-up exams will be permitted only with compelling and supported reasons. Only students registered with DSS will be considered for disability accommodation during exams. Please contact me one week before each exam if you require any service through DSS.

University policies on drops, adds, changes of grade option, or change to audit status will be observed in this course. Students should specifically note that after **week 2** such changes are not automatically approved. A petition to do so must be accompanied by documentation of extreme circumstances. Requests to drop a course or change the grade basis to benefit a student's grade point average will not be approved. A grade of C or higher will be considered passing for the P/NP option.

BIOL 170 Outline

Date	Topic	Text Reading:
May 27	<i>No Class: Memorial Day Holiday</i>	
May 28	Course Introduction; Cellular basis of life	47-52, 98-118
May 29	Cell division; Reproduction	228-236, 248-257
May 30	Phylogeny & Systematics	551-553, 488-492, 536-544
June 3	Prokaryotic life	556-573
June 4	Protists	575-597
June 5	Fungi; Lichens	636-652
June 6	Exam 1	--
June 10	Plants: Bryophytes	600-610
June 11	Plants: Seedless Vascular Plants	610-615
June 12	Plants: Gymnosperms	618-625
June 13	Plants: Angiosperms	625-633
June 17	Plant and animal interactions	--
June 18	Exam 2	--
June 19	Animals	654-661, 670-683
June 20	Animals	683-695
June 24	Animals	697-704
June 25	Intro to Ecology	1144-1152
June 26	Intro to Ecology	1153-1156
June 27	Exam 3	--