

## ***Introduction to Physical Geography – Lab***

GARP 0102, Sections 01A/01C (Mo, Fr 10:25 to 12:05, Bates 05)

The Physical Geography Lab builds on your knowledge of Physical Geography developed through class lectures, the study of your textbook, and the series of homework assignments. Here you can put your knowledge to use in solving problems that are based on topics addressed in the lecture. Some of the exercises also reach out into new directions and explore topics not covered in the lecture or textbook. We will also spend time, as needed, to review material, answer questions, and discuss geography-related news items.

### **Lab Manual**

Darrel Hess: Laboratory Manual – 9<sup>th</sup> Edition Physical Geography – A Landscape Appreciation. (Pearson Prentice-Hall (ISBN-13: 978-0-13-238113-0) includes maps and a stereoscope)

- The exercises in this lab manual give you an opportunity to apply many of the concepts discussed in the lecture. Each exercise begins with a brief introductory section that reviews key concepts and provides important background information.
- The lab manual is a derivative of the textbook – at the beginning of each lab exercise you will find the appropriate textbook reference for that topic (e.g. Exercise 8 “Solar Angle” is covered by pp. 17-22 and p. 26 in the textbook).

→ You have to have your own copy of the lab manual!  
→ You have to read the text book material and the lab exercises prior to lab!

### **The Fine Print**

- All lab exercises must be completed during the respective lab session.
- Attendance is mandatory as we meet only once every week. Therefore, missing lab (for any reason) leaves you with a considerable gap in your learning process.
- No make-up labs (see grading policy).
- If you felt that you are not progressing as well as you hoped, please feel free to talk to me. The sooner the better! Please do not wait until the end of the semester.

### **Lab Grading**

Each lab exercise (n = 13) is graded – the lowest grade is dropped. The mean of the remaining 12 grades will be your lab grade and contributes 25 percent to your final course grade (see lecture syllabus for more details).

### **What To Bring To Lab**

- Ruler, calculator, pencils, note book
- Optional: inexpensive magnifying glass

## Spring 2008 Lab Schedule

Week	Lab	Dates	Theme(s)	Exercises
Week 1		01/23, 01/25	<b>No Lab</b>	
Week 2	Lab #1	01/28, 02/01	Location Map Scale	Ex. 2-I/II Ex. 4-I/II
Week 3	Lab #2	02/04, 02/08	Contour Lines USGS Topographic Maps	Ex. 23 Ex. 24-I
Week 4	Lab #3	02/11, 02/15	Earth-Sun Relations Insolation	Ex. 7 Ex. 9
Week 5	Lab #4	02/20, 02/22	Isolines Temperature Patterns	Ex. 6-I Ex. 10-I/III
Week 6	Lab #5	02/25, 02/29	Air Pressure Wind	Ex. 11 Ex. 12
Week 7	Lab #6	03/03, 03/07	The Cost of Climate Change	Hand-out
Week 8		03/10, 03/14	<b>No Lab (Spring Break)</b>	
Week 9	Lab #7	03/17, 03/21	Humidity Adiabatic Processes	Ex. 13-III Ex. 14-III
Week 10	Lab #8	03/24, 03/28	Mid-latitude Cyclones Weather Maps	Ex. 16-I Ex. 17-I/II/III
Week 11	Lab #9	03/31, 04/04	Hurricane Katrina	Ex. 20-I, hand-out
Week 12	Lab #10	04/07, 04/11	Plate Tectonics San Andreas Fault	Ex. 28-II Ex. 32-II
Week 13	Lab #11	04/14, 04/18	Floodplains Flood Recurrence Intervals Coastal Landforms	Ex. 35-II Ex. 38 Ex. 44-I
Week 14	Lab #12	04/22, 04/25	Fire & Ice: Iceland	Hand-out, movie
Week 15	Lab #13	04/30	<b>All-Day Field Trip</b>	<b>Hand-out</b>

### Notes on the Schedule

- Adjustments to the lab schedule and assignments may be required to account for unforeseeable or unavoidable situations during the semester.
- Wednesday (04/30/2008) is a mandatory All-Day Field Trip – Please arrange your schedule accordingly. No lab in Week 15.

➔ Please refer to the Spring 2008 course booklet and academic calendar for more information.