

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

GARP 0102, Sections 01A/01B/01C (Mo, We, 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).

<p><b>→ You have to have your own copy of the lab manual!</b> <b>→ You have to read the text book material and the lab exercises <u>prior</u> to lab!</b></p>
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### **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 (n = 12) is graded – the lowest grade is dropped. The mean of the remaining 11 grades will be your lab grade and contributes 30 percent to your final course grade (see lecture syllabus for more details).

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

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

## Fall 2007 Lab Schedule

Week	Lab	Dates	Theme(s)	Exercises
Week 1		9/5, 9/7	<b>No Lab</b>	
Week 2	Lab #1	9/10, 9/12, 9/14	Location Map Scale	Ex. 2-I/II Ex. 4-I/II
Week 3	Lab #2	9/17, 9/19, 9/21	Contour Lines USGS Topographic Maps	Ex. 23 Ex. 24-I
Week 4	Lab #3	9/24, 9/26, 9/28	Earth-Sun Relations Insolation	Ex. 7 Ex. 9
Week 5	Lab #4	10/1, 10/3, 10/5	Isolines Temperature Patterns	Ex. 6-I Ex. 10-I/III
Week 6		10/8, 10/10, 10/12	<b>No Lab</b>	
Week 7	Lab #5	10/15, 10/17, 10/19	Air Pressure Wind	Ex. 11 Ex. 12
Week 8	Lab #6	10/22, 10/24, 10/26	Humidity Adiabatic Processes	Ex 13-III Ex. 14-III/IV
Week 9	Lab #7	10/29, 10/31, 11/2	Midlatitude Cyclones Weather Maps	Ex. 16-I Ex. 17-I/II/III
Week 10	Lab #8	11/5, 11/7, 11/9	Hurricane Katrina	Ex. 20, movie
Week 11	Lab #9	11/13, 11/14, 11/16	Climate Change	hand-outs
Week 12		11/19, 11/21	<b>No Lab</b>	
Week 13	Lab #10	11/26, 11/28, 11/30	Plate Tectonics San Andreas Fault	Ex. 28-II Ex. 32-II
Week 14	Lab #11	12/3, 12/5, 12/7	Floodplains Flood Recurrence Intervals Coastal Landforms	Ex. 35-II Ex. 38 Ex. 44-I
Week 15	Lab #12	12/10, 12/12, 12/14	Continental Glaciation Alpine Glaciation	Ex. 40-I/III Ex. 41-I/IV

### Notes on the Schedule

- Adjustments to the schedule and assigned exercises may be necessary throughout the semester.
- Tuesday (11/13/2007) follows a Monday schedule at WSC.
- No lab during the first week of classes.

**→ Please refer to the Fall 2007 course booklet and academic calendar for more information.**