

**GPH 111 Introduction to Physical Geography**  
**Spring Semester 2010**

**Instructor:** Alan R. Gaugert      **Office:** N/A      **Phone:** (623) 330-3622 cell  
**Email:** alan.gaugert@gmail.maricopa.edu

**Class Meetings-GCCN A113 - Section 55818, 55819**      **Office Hours**  
**Lec:** Tues/Thur 1:00 – 2:15 pm      By appointment  
**Lab:** Tues/Thur 2:30 – 3:45 pm

**Course Description:** Physical Geography is the study and synthesis of selected areas from the natural sciences and addresses the Earth's four major environments: the atmosphere, the hydrosphere, the lithosphere and the biosphere. Physical geographers investigate the variety, distribution, duration and significance of changes to Earth's environments. They conduct their studies over a wide range of spatial and temporal scales and seek to explain processes, origins, changes and patterns as well as the role of humans and their impact on each environment.

**Required Texts:** Physical Geography: A Landscape Appreciation, Ninth Edition 2008 by Tom L. McKnight and Darrel Hess, Pearson - Prentice Hall, publishers

Physical Geography Lab Manual, Eighth Edition 2007 by Charles F. Jeffery, Steve Emrick, Lynn E. Newman, Alan Gaugert and John A. Shaffer

**Course Requirements/Attendance Policy:** It is each student's responsibility to complete all reading assignments prior to class, attend all class lectures and labs, satisfactorily complete all examinations and submit all assignments promptly. Late assignments will be accepted only with prior coordination and only one examination may be rescheduled for credit. **Students missing more than three class periods will be withdrawn from the course.** When circumstances compel a student to be late or absent, advance coordination with the instructor is expected.

**Grading Policy:** The results of homework, quizzes, lab exercises, examinations and the final exam will determine each student's grade. Normally, **Quizzes and lab exercises may not be made up for credit without prior approval.** Missed examinations must be completed not later than seven calendar days following the original examination date. The following scale will be used to determine student grades.

		<b>Letter Grade</b>	
Homework/Projects (See homework sheet)	(30%)	90%	A
Quizzes (Lec/Lab) (10 min)	(20%)	80%	B
Quarter Tests (80 min)	(30%)	70%	C
GEOCOMP Exam (100 min)	(20%)	60%	D
	below	60%	F

**Expectations: This is a demanding course!** Over 700 terms! However, if you complete the readings and homework, use the information available on the web site and review the textbook CD, this will be an exciting course that will provide insight into natural occurrences that affect your daily life. A great opportunity to learn about the world around you! You will be challenged. I do not give grades! The **"A" you earn will reflect your effort and acknowledge the knowledge gained.**

**GPH 111 Introduction to Physical Geography**  
**Spring Semester 2010**

**Homework:** Students are expected to complete assigned readings and bring assigned homework to class on the designated due date. Additional guidance is found in the “Homework and Extra Credit for GPH 111” handout located on the Blackboard site.

**Resources:** The text author maintains a web site to assist students in the understanding of concepts presented in this course, and to enhance the study of geography in general. Students are **STRONGLY** encouraged to review the material at this site; especially “the m/c questions and the thinking spatially” options. The text web site is found at the following address:

**Physical Geography: A Landscape Appreciation Internet Support-**<http://www.prenhall.com/mcknight>

**Earth Revealed** video tapes (QE 26.2 E 28, 1992) can be checked out for review **IN** the library as well as viewed on the internet (PrenHall website under Media Room). Links are provided on the Blackboard site.

**Blackboard:** Assignments, quizzes, tests, lecture slides, links and handouts are available on this site.

**Student Animations CD:** In your text. **Google Earth, ArcGis Explorer** (On line); **ArcGis Online**.

**GEOCOMP Examination:** The GEOCOMP Exam is a comprehensive examination designed to assess each student’s mastery of key competencies in the course. The exam will be administered during Week 17 of the course. **No makeup examination** will be scheduled. **This examination is 20 percent of the final course grade.**

**Tutoring:** Tutors are available for students who require additional instruction in this course. Information concerning scheduling of tutors can be obtained in the Center for Learning - CL 45 at Glendale Community College (623) 845-3812. Start early! Don’t get into a crevasse.

**Study Guides:** Study Guides for all examinations will be published 7-10 days prior to each examination. Study Guides may be accessed on the Blackboard page.

**Classroom Etiquette:** All students are expected to assist in the maintenance of a learning conducive environment in the classroom. Students are expected to enter quietly when late or departing early, turn off all pagers, cellular phones, personal information management devices (PDA) and alarm watches and display courtesy towards each other.

**Recording Lectures:** Recording of lectures is not normally allowed. The instructor will consider special cases where recording is necessary or helpful to the student’s successful acquisition of course material. Requests must be submitted in writing to the instructor no later than the end of the first week of class.

**Schedule Changes:** Course content may vary from this outline to meet the needs of this particular class. Students will be notified when adjustments to the syllabus are required.

**Disabled Student Resources:** Every reasonable effort will be made to accommodate disabled students. Students who require special assistance and/or accommodations should consult the instructor or the staff in Disability Services and Resources Office – TDS-100 (623) 845-3080 or TTD (623) 845-3086.

**Length of Course:** Due to the amount of material to be covered, the evening class will be 16 weeks in duration. The Final Exam will be administered on Tuesday of Week 17.

**GPH 111 Introduction to Physical Geography**  
**Spring Semester 2010**

**GPH 111 Course Calendar (Tentative)**

<b>Week</b>	<b>Lecture</b>	<b>Lab</b>
<b><u>Week 1:</u> January 18-22</b>	<b>January 18</b> <b>MLK Day</b> <b>No Class</b> <b>January 19</b> <b>Introduction Syllabus</b> <b>Introduction to Earth Chapter 1</b>	<b>Lab A:</b> The International System of Units (SI), Statistical Data, Graphs and Contour (Isopleth) Analysis <i>Film: Mapmaking</i>
<b><u>Week 2:</u> January 25–29</b>	<b>Introduction to Earth Chapter 1</b> <b>Portraying Earth Ch. 2</b>	<b>Lab A:</b> Review <b>Lab C:</b> Geographic Grid and Time
<b><u>Week 3:</u> Feb 01- 5</b>	<b>Portraying Earth Ch. 2 (cont)</b> <b>Intro. To the Atmosphere Ch 3</b>	<b>Intro. to the Atmosphere Ch. 3 (cont)</b> <b>Insolation &amp; Temperature Ch. 4</b>
<b><u>Week 4:</u> February 8-12</b>	<b>Insolation &amp; Temperature Ch. 4</b> <i>Film: What's Up with the Weather I</i>	<b>Lab B:</b> Earth-Sun Relationships <i>Film: What's Up With the Weather II</i>
<b><u>Week 5:</u> February 15-19</b>	<b>Atmospheric Pressure and Wind</b> Chapter 5	<b>Lab G:</b> Atmosphere and Climate I Temperature and Pressure
<b><u>Week 6:</u> February 22-26</b>	<b>February 22</b> <b>President's Day</b> <b>No School</b> <b>Atmospheric Moisture Ch. 6 (9)</b>	<i>Film: India-Land of the Monsoon</i> <b>Lab H:</b> Atmosphere and Climate II Humidity and Precipitation
<b><u>Week 7:</u> Mar 01- 5</b>	<b>Transient Atmospheric Flows and Disturbances Chapter 7</b>	<b>Lab I:</b> Atmosphere and Climate III Weather Map Construction
<b><u>Week 8:</u> March 8-12</b>	Transient Atmospheric Flows and <b>Disturbances Ch. 7 (cont)</b> <i>Film: Cyclone</i> <b>REVIEW for Midterm I Ch. 1-7</b>	<b>Lab S:</b> <i>Hurricanes and Tornadoes (Computer) Exercise</i> <b>MIDTERM I Ch. 1-7</b>
<b><u>Week 9:</u> March 15-19</b>	<b>SPRING BREAK</b>	<b>SPRING BREAK</b>
<b><u>Week 10:</u> March 22-26</b>	<b>Climatic Zones and Terrestrial Flora</b> Ch. 8 and 11 <i>Film: Plant Politics</i> <b>Soils Chapter 12</b>	<b>Lab J:</b> World Climate Zones
<b><u>Week 11:</u> Mar 29- Apr 2</b>	<b>Intro. to Landform Study Ch. 13</b> <b>The Internal Processes – Plate Tectonics Chapter 14</b>	<b>Lab E:</b> Introduction to Geographic Tools - Topographic Maps
<b><u>Week 12:</u> April 5-9</b>	<b>The Internal Processes-Folding and Faulting, Earthquakes and Vulcanism</b> Ch. 14	<b>Lab M:</b> Plate Tectonics, Vulcanism and Diastrophism <i>Film: Volcano-Nature's Inferno</i>

**GPH 111 Introduction to Physical Geography**  
**Spring Semester 2010**

**GPH 111 Course Calendar (cont.)**

<b>Week</b>	<b>Lecture</b>	<b>Lab</b>
<b><u>Week 13:</u> April 12-16</b>	<b>Weathering and Mass Wasting</b> Ch. 15 <b>Karst Topography</b> Ch. 17 (pp471-476) <b>The Fluvial Processes</b> Ch. 16	<b>Lab F:</b> Introduction to Geographic Tools - Contour Lines and Profiles
<b><u>Week 14:</u> April 19-23</b>	<b>The Fluvial Processes</b> Ch. 16 (cont)	<b>Lab N:</b> Fluvial Processes and Landscapes
<b><u>Week 15:</u> April 26-30</b>	<b>Glacial Modification of Terrain</b> Ch. 19 <b>Coastal Processes and Terrain</b> Ch. 20	<b>Lab P:</b> Glacial Processes and Landscapes
<b><u>Week 16:</u> May 3-7</b>	<b>Coastal Processes and Terrain</b> Ch. 20 <b>Aeolian Processes-Arid Lands</b> Ch. 18	<b>GEOCOMP Review</b> <b>REVIEW for Final Exam</b> Ch. 8-20
<b><u>Week 17:</u> May 10-14</b> <b>Final Exams</b>	<b>May 8</b> <b>GEOCOMP EXAM</b> <b>FINAL Examination</b> Ch. 8-20 <b>2:00-3:50</b>	