

Fall 2007 Physical Geography 9 - Land Forms - Syllabus

27 August - 11 December 2007 CE
Reedley College - Dinuba Vocational Center
Tuesdays, 1800 - 2100



Course Objectives

Description and interpretation of the physical features of the earth. Emphasis on the study of map reading and land formation processes such as wind, volcanoes, earthquakes, glaciers, rivers and watersheds, heat, pressure and time.

- Understanding elements and processes forming landforms on planet surfaces
- Recognize and understand geographic terms and principles
- Develop and apply analytical skills to solve physical geography problems
- Understand and apply scientific and critical thinking logically and systematically

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Biophysical Geographer Office: 3:00 - 6:00 p.m. & before class
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Text and Materials

Christopherson, R.W. (2006). *Geosystems: An Introduction to Physical Geography* 6th Edition

http://wps.prenhall.com/esm_christopherson_geosystems_6

Recommended: *Goode's World Atlas* 21st edition

Grading

A 90 - 100% B 80 - 89% C 65 - 79% D None F 0 - 64%

Four examinations (80%) Written Homework (10%) Cumulative Problems (10%)

Disabled Students

Academic accommodations or materials per the *Americans With Disabilities Act* or §504 of the *Rehabilitation Act* will be made. Please advise me.

Participation, Attendance, Professional Conduct

Punctuality, professional demeanor, courtesy and respect are the norm. All work must be original. Cite sources following American Psychological Association or Council of Biology Editors *Style Manuals*. Turn off cellular telephones. Use a respectful language register and dress appropriate to a serious academic setting. No food, drinks, gum or cosmetics in classroom. Use Cornell notes to organize text, lecture and video material. **Cornell notes required** for each test. Formal work must be word processed. Refer to *The Mac* or *PC Is Not A Typewriter*.

The *International System of Units (SI)* per the *Omnibus Trade and Competitiveness Act of 1988* is used exclusively. Attendance must be consistent with full participation.

Fall 2007 CE Geography 9 Itinerary

Week 1 (28 August) - Chapter 1, Essentials of Geography: Globe, Latitude-Longitude-Elevation and Time, Map Projections, Four spheres, Great Circles, Meridians & Parallels, GIS

Week 2 (4 September) - Cornell notes. Chapter 1, Remote Sensing, GPS, Map Interpretation. Chapter 7, Water and Atmospheric Moisture, Latent Heat of Fusion, fog

Week 3 (11 September) - **Test 1 Geography, Atmospheric moisture**, requires Cornell notes. Chapter 8, Weather and affects on landforms

Week 4 (18 September) - Chapter 9, Water resources, Climatic Water Budget Analysis, Groundwater Climatic Water Budget Analysis problems, • Autumnal Equinox homework

Week 5 (25 September) - Chapter 10, Global Climate Systems. Chapter 11, Dynamic Planet, Geology, Rock Cycle, Plate Tectonics

Week 6 (2 October) - Chapter 12, Tectonics, Earthquakes, Volcanism

Week 7 (9 October) - **Test 2 (Chapters 9, 10 and 11)**. Chapter 13, Weathering, Karst Landscapes and Mass Movement.

Week 8 (16 October) - Chapter 14, River systems and landforms, California Rivers, floods

Week 9 (23 October) - Chapter 15, Aeolian Processes and Arid landscapes, moisture deficits

Week 10 (30 October) - Chapter 16, Oceans, Coastal Processes and Landforms, Lab packet (100 pt)

Week 11 (6 November) - Chapter 17, Glacial and Periglacial Processes and landforms

Week 12 (13 November) - **Test 3, Chapters 14 - 17.** Chapter 18, Soils

Week 13 (20 November) - North American landforms and landform regions

Week 14 (27 November) - North American landforms and landform regions

Week 15 (4 December) - Review and project presentations

Week 16 (11 December) - **Test 4, Final** - comprehensive, including notes, hand-outs, text and lecture materials

Fall 2007 CE

31 August - last day to register for a full term class, Last day to drop to avoid a “W”

12 October - Last day to drop a fall class (grade after this date)