Fall 2009 Physical Geography 9 - Land Forms - Syllabus

71061 3 units
18 August 18 December 2009 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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Drop Deadline 4 September 2009 **Final Exam Date** Tuesday, 15 December 2009

Recommended Texts and Materials

Christopherson, R.W. (2008). **Geosystems: An Introduction to Physical Geography** (7th Edition) (752 p.)

Christopherson, R.W. (2008). Applied Physical Geography: Geosystems in the Laboratory (7th Edition) (352 p.)

Rand Rand McNally. (2009). Goode's World Atlas (22nd Edition). (371 p.)

Grading

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

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

All tests and laboratory assignments will be graded. Grade status will be available each class.

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 noes 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 2009 CE Geography 9 Itinerary

Week 1 (18 August) - Chapter 1, Essentials of Geography: Globe, Latitude-Longitude-Elevation and Time, Map Projections, Four spheres, Great Circles, Meridians & Parallels, GIS

Week 2 (25 August) - Cornell notes. Chapter 1, Remote Sensing, GPS, Map Interpretation. Chapter 7, Water and Atmospheric Moisture, Latent Heat of Fusion, fog

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

Week 4 (8 September) - Chapter 9, Water resources, Climatic Water Budget Analysis, Groundwater Climatic Water Budget Analysis problems

Week 5 (15 September) - Chapter 10, Global Climate Systems. Chapter 11, Dynamic Planet, Geology, Rock Cycle, Plate Tectonics

Week 6 (22 September) - Chapter 12, Tectonics, Earthquakes, Volcanism

Week 7 (29 September) - **Test 2** (**Chapters 9, 10 and 11**). Chapter 13, Weathering, Karst Landscapes and Mass Movement.

Week 8 (6 October) - Chapter 14, River systems and landforms, California Rivers, floods

Week 9 (13 October) - Chapter 15, Aeolian Processes and Arid landscapes, moisture deficits

Week 10 (20 October) - Chapter 16, Oceans, Coastal Processes and Landforms, Lab packet (100 pt)

Week 11 (27 October) - Chapter 17, Glacial and Periglacial Processes and landforms

Week 12 (3 November) - **Test 3, Chapters 14 - 17.**

Week 13 (10 November) - Chapter 18, Soils

Week 14 (17 November) - North American landforms and landform regions

Week 15 (24 November) - Review and project presentations

Week 16 (1 December) - Review and project presentations

Week 17 (8 December) - Final projects, Last day to submit laboratory exercises

Week 18 (15 December) **Test 4, Final** - comprehensive, including notes, handouts, text and lecture materials

Fall 2009 CE

4 September 2009 - last day to register for a full term class, Last day to drop to avoid a "W"

16 October 2009 - Last day to drop a class (grade after this date)

We do meet Tuesday, 10 November (Veteran's Day is Wed, 11 November).

Thanksgiving Holidays, Thur-Fri, 26-27 November