Syllabus for GEOG-1, Physical Geography

Course Information

Fall, 2021
Course ID & Section #: GEOG-1-E2050
David Bazard
Course units: 3.0

Instructor Contact Information

Office location or *Online: Online through Canvas and optional Zoom hours
Office hours: TBD
Phone number: 707-476-4224
Email address: dave-bazard@redwoods.edu

Catalog Description

An introductory study of the Earth's physical systems, including the atmosphere, hydrosphere, and lithosphere. Students will study Earth's energy balance, climate, and landforms, and examine relationships between physical features and natural processes. Interactions between human endeavors and natural systems are explored to understand the influence of the environment and society on each other.

Course Student Learning Outcomes *(from course outline of record)*

1. Apply the scientific method and scientific reasoning to critically evaluate natural phenomena and the development of landforms.
2. Evaluate and apply spatial information to describe interactions within a natural system.
3. Describe how energy is transferred between different elements of the Earth's systems.
4. Demonstrate an understanding of how changes in natural systems influence society by relating elements of climate, the hydrosphere, and/or plate tectonics to specific human impacts.

Prerequisites/co-requisites/ recommended preparation

None

Course Materials (text book)

Required: ***Elemental Geosystems* (9th Ed.), Robert Christopherson, ISBN: 0-13-978-0-13-269856-6**
Note: older editions of this text (8th and earlier editions) and the Geosystems text by Christopherson are acceptable. I can help correlate material between chapters if they are not numbered the same as the topics shown in this syllabus. Also, McKnight's *Physical Geography* (Prentice/Hall) has similar information.
I will be referencing page numbers and figures from the Christopherson 9th Ed. text throughout the course

Weekly Schedule *(subject to change with notification)*

***Note:** Weeks begin on Saturday and continue through the following Friday.*
Weekly Homework Questions and Discussions will typically be due by the Friday morning at the end of the week.
Tests will typically be completed by the Saturday of the week, with a 3-day window in which the timed test needs to be completed.

Module and Week	*Topics*	*Reading and PowerPoint*	*Homework, Discussion,*
1 (Aug 21)	***Module 1:*** *Introduction, Scientific Method, Systems, Our place relative to the sun, measurements, unit conversions.*	Chap. 1 (p. 5-8 10-124) ***Narrated PowerPoints***	• ***Welcome Quiz*** • ***Discussion*** • ***Homework Questions***
2 (Aug 28)	***Module 2:*** *Latitude/Longitude, Earth Dimensions, Geographic Zones, Time Zones, Solar Energy, Seasons*	Chap 1 (p. 14-24) ***Narrated PowerPoints***	• ***Homework Questions***
3 (Sept 4)	***Module 3:*** *Tilt of Earth, Solar Energy and Seasons, Sun Angle, Atmosphere Composition, Earth's Energy Balance/Budget*	Chap 2 and 3 ***(p 36-47, 48-54, 70-95)*** ***Narrated PowerPoints***	• ***Homework Questions*** • ***Discussion***
4 (Sept 11)	***Module 4:*** *Review (Modules 1-3) and Test Preparation*	***Review of Module Homework and Discussion.*** ***Review PowerPoints***	• ***Study Guide Questions Discussion*** • ***Test Review Quiz*** • ***Test I (End of the Week: TBA)***

Test I: Chapters 1, 2, 3, see study guide for specific topics.

5 (Sept 18)	***Module 5****: Energy Transfer, Fundamentals of Atmospheric Pressure, Coriolis Effect, and Wind.*	***Chap 4*** ***(p. 106-123)*** ***Narrated PowerPoints***	• ***Homework Questions*** • ***Discussion***
6 (Sept 25)	***Module 6:*** *Global Atmospheric Circulation: ITCZ, Hadley Cell, Trade and Westerly Winds, Subtropical & Polar Highs, Polar Front, Jet Stream*	***Chap 4*** ***(p. 113-126)*** ***Narrated PowerPoints***	• ***Homework Questions***
7 (Oct 2)	***Module 7:*** *Atmospheric Moisture and Weather. Climate Classification*	***Chapter 5, (139-166, 168-170). Koppen Geiger classification (Chap 7: 210-215, Appendix B***	• ***Homework Questions***
8 (Oct 9)	***Module 8:*** *Review (Modules 5-7) and Test Preparation*	***Review of Homework and Discussion. and PowerPoints***	• ***Study Guide Questions Discussion*** • ***Test Review Quiz*** • ***Test 2 (End of the Week)***

Test 2: Chapters 4, 5, portions of 7 and Appendix B. See study guide for specific topics

9 (Oct 16)	***Module 9:*** *Dynamic Earth: Geologic Time, Rock Types, Earth's Interior, and Tectonic Plates*	**Chapter 9 (p. 272-296; skip magnetic reversals)**	• ***Homework Questions***
10 (Oct 23)	***Module 10:*** *Plate Tectonics, Faulting, Mountains, and Volcanism*	**Chapter 10 (p. 302-315, 321-329)**	• ***Homework Questions***
11 (Oct 30)	***Module 11:*** *Landform Evolution, Weathering, Mass Movement*	***Chapter 11 (p. 335-358)***	• ***Homework Questions***
12 (Nov 6)	***Module 12:*** *Review (Modules 9-11) and Test Preparation*	***Review of Homework and Discussion. Review Module Text***	• ***Study Guide Questions Discussion*** • ***Test Review Quiz*** • ***Test 3 (End of the week)***

Test 3: Chapters 9, 10, and 11. See study guide for specific topics

13 (Nov 13)	***Module 13:*** *Rivers and Glaciers pt 1*	***Chapter 12 (p. 364-387 and Chapter 14 (428-435)***	• ***Homework Questions***
(Nov 20)	***Thanksgiving***	***No Class Nov 20-Nov 28***	
14 (Nov 29)	***Module 14:*** *Glaciers pt 2, Physiographic provinces*	***Chapter 14 (436-446) and Module information for physiographic provinces***	• ***Homework Questions***
15 (Dec 4)	***Module 15:*** *Review (Modules 13and 14) and Preparation for Final Test*	***Review of Homework and Discussion. Review Module Text***	• ***Study Guide Questions Discussion*** • ***Test Review Quiz***

16 (Dec 11)	***Final Test (during Finals Week)***

Evaluation & Grading Policy

The course combines short lectures (narrated PowerPoint slides), textbook readings, explanations within the modules, and additional materials (videos in some cases) to communicate the major concepts.
Weekly Homework Questions and Class Discussion (on some weeks) are assigned weekly to keep students on track with the material.

- The course is made up of weekly modules. Those modules are grouped into four "sections" (Modules 1-4, Modules 5-8, Modules 9-12, Modules 13-14).
- After every three modules, there will be a week of review including a Graded Review Quiz and Graded Study Guide Discussion prior to the test.
- Three of the sections each include 100 points of work and a 100 point test.
- The fourth section is shorter, includes only two modules and 60 points of work. Test questions for this final section, and some comprehensive course questions, will be included in the 140 point Final Exam.
- There is a total of *800 points for the course.
- * I will drop the lowest of the 100 pt section (work points or test) to recalculate grades based on 700 points.

- The exception is the last 60 points of work. Upon request, I will drop the points for this last section and recalculate the course grade based on 740 point. A student can request this if they want to keep their scores from the rest of the course and use the drop for this last section of work.
- The final exam score is included in all grades and cannot be dropped.

Course grades
I will drop one section's worth (four modules) of homework, quiz, discussion: 100 pt, **OR** one of the first three tests (100pts), whatever is lowest. I will then calculate your grade based on your percentage of the 700 available "not dropped" points.
A student can request to keep all of those scores and have your last 3 weeks score dropped (three modules: 60 pts) and have your grade recalculated on the percentage of the remaining 740 points.
I will not drop the score for the final exam.

The Course Grade will be based on the following percentage of available points.
Please note that the grade corresponding to the exact points will differ from what is listed below if a student requests to drop the last 60 points and the grade is based on 740 points rather than 700.

*A: 91-100% (634-700 pts)
A-: 89-90% (620-633 pts)
B+: 87-88% (606 -619)
B: 81-86% (564-605)
B-: 79-80% (550-563)
C+: 77-78% (536-549)
*C: 69-76% (480-535)
D: 60-68% (417-479)
F: < 60% (<417)
**(CR does not allow for A+ or C-)*

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or Disability Services and Programs for Students (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Admissions deadlines & enrollment policies

Fall 2021 Dates

- *Classes begin: 8/21/21*
- *Last day to add a class: 8/27/21*
- *Last day to drop without a W and receive a refund: 9/03/21*
- *Labor Day Holiday (all campuses closed): 09/06/21*
- *Census date: 9/07/21 or 20% into class duration*
- *Last day to petition to graduate or apply for certificate: 10/28/21*
- *Last day for student-initiated W (no refund): 10/29/21*
- *Last day for faculty-initiated W (no refund): 10/29/21*
- *Veteran's Day (all campuses closed): 11/11/21*
- *Fall Break (no classes): 11/22/21 – 11/26/21*
- *Thanksgiving Holiday (all campuses closed): 11/24/21 – 11/26/21*
- *Final examinations: 12/11/21 – 12/17/21*
- *Last day to petition to file P/NP option: 12/17/21*
- *Semester ends: 12/17/21*
- *Grades available for transcript release: approximately 01/07/22*

Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the College Catalog and on the College of the Redwoods website.

Disruptive behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, the student may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the College Catalog and on the College of the Redwoods website.

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact Admissions & Records to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. This does not change your legal name in our records. See the Student Information Update form.

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.
Log into Canvas at https://redwoods.instructure.com
Password is your 8 digit birth date
For tech help, email its@redwoods.edu or call 707-476-4160
Canvas Help for students: https://webapps.redwoods.edu/tutorial/
Canvas online orientation workshop: Canvas Student Orientation Course (instructure.com)

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges Health & Wellness website.
Wellness Central is a free online health and wellness resource that is available 24/7 in your space at your pace.
Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor https://webadvisor.redwoods.edu and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the Redwoods Public Safety Page.

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel

Do not leave campus, unless it has been deemed safe by the campus authorities.

Del Norte Campus Emergency Procedures

Please review the Crescent City campus emergency map for campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information, see the Redwoods Public Safety Page.

Eureka Campus Emergency Procedures

Please review the campus emergency map for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the Redwoods Public Safety Page It is the responsibility of College of the Redwoods to protect life and property from the effects of emergencies within its own jurisdiction.

Student Support Services

The following online resources are available to support your success as a student:

- CR-Online (Comprehensive information for online students)
- Library Articles & Databases
- Canvas help and tutorials
- Online Student Handbook

Counseling offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- Academic Support Center for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- Library Services to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center

Special programs are also available for eligible students include

- Extended Opportunity Programs & Services (EOPS) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in Eureka or in Del Norte
- The Veteran's Resource Center supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821