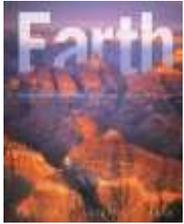


**GEOL101 - General Geology (Purely Online) Course # 1184****3 Lecture Hours Equivalent, 3 Units; Letter Grade, Student may petition for Credit/No Credit****Online Course Duration:** June 18 through July 28**Instructor:** R. Ray Rector **Contact:** phone# 760-942-9201; e-mail: [geoprof@geoscirocks.com](mailto:geoprof@geoscirocks.com)**Instructor's Web site:** <http://www.geoscirocks.com/>**Optional Text:** Earth : An Introduction to Physical Geology (11<sup>th</sup> Ed. or newer) (Paperback)  
by Edward J. Tarbuck, Frederick K Lutgens, Dennis Tasa

11th Edition: ISBN-10: 0321814061

*11th Edition*

**PREREQUISITES ADVISORY:** This being an online course, it is advisable that you are computer literate, with a good working knowledge of the World Wide Web, e-mail, and word-processing. A high speed Internet connection is most advantageous.

**ENROLLMENT LIMITATION:** Not open to students with credit in GEOL 101H.

**COURSE DESCRIPTION:** This course introduces processes at work changing the earth today, and it explores the origins of rocks and minerals as well as the action of air, water, ice, and solar energy in sculpting earth's surface. CSU; UC

**STUDENT LEARNING OUTCOMES:** Upon completion of this course, students should be able to:

1. Diagram the Earth's interior layers, and compare and contrast the major features of those layers
2. Explain the theory of plate tectonics and relate it to the major features of the Earth's surface.
3. Compare and contrast igneous, metamorphic and sedimentary rocks and relate them to one another using the rock cycle.
4. Relate major rock deformation features to the geologic processes that cause them.
5. Compare and contrast the geologic processes that modify the earth's surface (i.e. weathering, mass wasting, stream, glacier, desert and shoreline systems).

**ACCOMMODATION OF DISABILITY:** A student with a verified disability may be entitled to appropriate academic accommodations, including the assistance of a note-taker in the classroom, and/or extended time for taking exams. Students with disabilities who may need academic accommodations should notify their professor immediately. For further information, please contact the Disabled Students Program and Services (DSPS) Office.

**CLASS ENROLLMENT NOTES:** ALL STUDENTS registered in this course MUST sign-in into the official Canvas course page sometime BEFORE or WITHIN the FIRST TWO DAYS of class - by the end of the day on Tuesday, June 19<sup>th</sup> - in order to stay registered in the course. It is the student's responsibility to add, drop, or withdraw from classes before the deadlines stated in the class schedule. Petitions to add, drop, or withdraw after the deadline will not be approved without written proof of circumstances beyond the student's control, which made her/him unable to meet the

deadline. Lack of money to pay fees is not considered an extenuating circumstance. Students anticipating difficulty in paying fees before the deadline should check with the Financial Aid Office about sources of funds or other alternatives for which they may be eligible. The last day to drop this course and NOT receive a "W" is June 21, 2018. The last day to change from a letter grade to pass/no pass is June 29th. The very **last day to withdraw** from this course (last day to withdraw with a "W") is Thursday **July 17<sup>th</sup>**. It is the student's responsibility to drop all classes in which he/she is no longer participating (for online classes). Students, who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this class. If you fail to withdraw by 7/18/18 and you stop participating in class, then a final letter grade must be assigned to you. It is the student's responsibility to drop all classes in which he/she is no longer participating (for online classes). Registered students who do not login onto Canvas and participate in our virtual classroom over a period of 8 consecutive days will be dropped from this course for lack of participation

## **INSTRUCTOR'S ONLINE COURSE POLICIES**

**A. Student Work Load Obligations:** Independent direction, discipline and motivation of the student are critical to both learning course content and academic success in this online course. It will be up to you, the student, for staying up with homework assignments, quizzes, and exams. Make sure and consult the instructor and/or fellow classmates about anything in this course that you find difficult and/or confusing. There are no make-up exams or accepted late work, unless the student provides proof of some compelling reason for the make-up. It is the student's responsibility to contact me personally to forewarn me of any problem in completing the regular-scheduled exams or other coursework by their due dates. Business, pleasure, or being generally ill, is not a compelling reason. Being deadly sick, or having a death in the family is good reason.

**B. Instructor-Initiated Contact Policy:** This course is taught as a completely on-line course. That is, the communication between the instructor and the students, as well as among students, takes place via electronic means on the Internet. The instructor will be initiating contact with students on a nearly daily basis, via announcements, discussion board posts, email, and by phone. Students are expected to log into the Canvas course page regularly (several time per week) to update communication with instructor and fellow students.

**C. Course Assignments and Testing:** Assignments, either for discussion on the bulletin board, or for completion and return to the instructor, will be posted on the course Canvas site. Student contributions will be evaluated on both the quality (intelligent use of scientific terminology learned from using the textbook and other sources) and quantity (frequency and length) of comments. Reports from students, which are submitted directly to the instructor, will be evaluated based on quality (use of appropriate scientific vocabulary, for instance) and on rigor of the analysis. Testing will occur via the Internet, and tests will use a variety of formats (true-false, multiple choice, matching, short answer, and essay).

**D. Deadlines and Backing-up:** Timelines, Deadlines, etc.: Quizzes will be available each week and will appear with a due date. Availability for quizzes and exams prior to the finishing deadline is roughly three to four days. The research writing assignment will not be accepted or submitted following the due date. Note that because it sometimes happens that computer networks (including your own computer) are down or unavailable, it is preferable to get assignments done a day or two earlier, so as to avoid trying to post an assignment on the very last minute of the due date, only to find that one's Internet Service Provider is down, for example. ALSO, as with any writing endeavor on a computer, YOU MUST ALWAYS BACK-UP ALL YOUR WORK on an external memory device, in timely increments. The excuse that you permanently lost your entire writing assignment file during a computer crash is not acceptable, because those sorts of mishaps are totally avoidable by doing

regular backup. Additionally, you need to make sure to have a planned BACK-UP COMPUTER at your disposal: family member's, friend's, or library, school, or even your own secondary computer/smart phone.

**STATEMENT OF RETENTION:** Students, please discuss your plans to withdraw from class with your instructor. You might have options that may allow you to continue in class.

### **ONLINE NETIQUETTE AND STUDENT CODE OF CONDUCT:**

- Students are expected to respect and obey standards of student conduct while interacting online in this course. As your instructor, I have the following expectations of your communicative behavior while online:
- Promote a positive learning environment by exhibiting mutual respect and consideration of the feelings, ideas, and contributions of others, as reflected in your written dialog.
- Demonstrate a genuine desire to learn, interact, and improve.
- This class will be conducted in accordance with the college code of student conduct and basic standards of academic honesty. Cheating, plagiarism, or other forms of academic dishonesty are totally unacceptable and will not be tolerated. Violations of standards of academic honesty will be reported to the school dean for appropriate action. A detailed explanation of my plagiarism policy is found on the menu page for this course and on the instructor's website. It is well worth your time to read my detailed policy if you have any concerns regarding plagiarism or cheating.

### **GRADING/EVALUATION**

**I. Quizzes** (10 @ 30 points each) = 300 points. **Note:** You get three (3) attempts per quiz. Open book.

**II. Exams** (2 @ 150 points each) = 300 points. **Note:** You get one (1) attempt per exam. Open book

**III. Assignments** (3 @ 20 + 30 + 75 points) = 125 points; Greeting assignment = 20 pts; Geology in News assignment = 30 pts, San Andreas Fault Zone assignment = 75 pts

**V. Late Work Policy:** No late work accepted - No exceptions.

**VI. Extra Credit Policy:** Extra credit is available - up to 40 points maximum. Last day to turn in extra credit work is July 25, 2018 - absolutely no EC work accepted after this date.

**VII. Grading Scale:** Your final grade is based purely on point percentage out of 725 pts:

100% – 90% = A

89% -- 80% = B

79% -- 66% = C

65% -- 55% = D

**Note:** *Minor adjustments to the total course grade points may be made by instructor during the course period. If changes are made, the instructor will inform the students in a timely manner.*

**ASSESSMENT ACTIVITIES - LOGISTICS AND VITAL INFORMATION:** Assessment of student learning outcomes for this class includes 10 quizzes, 2 exams, and 3 assignments. Each assessment activity has a specific submittal due date. Make sure to keep a VERY CLOSE track of the class schedule of activities, so that you stay on track with your coursework, and get all your fully completed work turned in on time. I suggest printing out the class schedule and taping it somewhere around your work area that you can view it regularly. Below are the most important course dates.

1) Quiz completion dates are on most Thursdays and Sundays of each week

2) Class Introduction Discussion Assignment due Wednesday, June 20, 2018

3) Last day to drop without a "W" (withdraw) is Friday, June 22, 2018

- 4) Geology in the News Discussion Assignment due Thursday, July 12, 2018
- 5) Last day to drop with a "W" (withdraw) is Thursday July 12, 2018
- 6) Midterm exam completion date is Sunday, July 15, 2018
- 7) Last day to turn in extra credit is Wednesday July 25, 2018
- 8) San Andreas Fault Zone Research Assignment due Thursday, July 26, 2018
- 9) Final exam completion date is Saturday July 28, 2018

**EXTRA CREDIT:** There are several extra credit assignments available: they include virtual fieldtrips, and a couple other research activities. Last day to turn in extra credit work is Wednesday July 25, 2018; absolutely no EC work accepted after this date. Extra credit assignments are listed in the Extra Credit section. Up to 40 points of extra credit is allowed in this course.

### **STUDY MATERIALS FOR THIS COURSE:**

There are several major sources of geological information at your disposal for successfully completing this course - they are: 1) your optional (highly-recommended) textbook and accompanied online textbook support; 2) the free open-source website textbook that is listed below; 3) Earth Revealed Video Lessons available online from the instructor's personal website, and 4) the instructor's lecture notes and PowerPoint lectures also found at his personal website. The first and foremost course resource is your textbook and its accompanying website. Carefully read and study all assigned textbook reading prior to completing the associated quizzes, exams, and assignments. Note: the textbook has a complimentary textbook support site, which has additional resources and activities to help master the curriculum, which includes many good animations.

**1) Textbook and Support Websites:** [http://wps.prenhall.com/esm tarbuck earth 11](http://wps.prenhall.com/esm_tarbuck_earth_11)

**2) College's Open-Source E-Text site:** <http://gotbooks.miracosta.edu/geology/index.html>

**3) Earth Revealed Geology Video Series:** <http://www.learner.org/resources/series78.html>

The Annenberg Media Company has available an excellent geology video instructional series called "Earth Revealed" (a total of twenty six 30 minute videos). Links to these videos can be accessed from the instructor's personal website. I have listed the Earth Revealed video series number(s) that correspond to the specific topic(s) of study each week within the class schedule next to the textbook chapter reading assignments.

**4) Instructor's Personal Student Website:** [www.geoscirocks.com](http://www.geoscirocks.com)

Click on the **MiraCosta Online** link to access all information pertaining directly to this course. Browse down the left-hand side menu for pertinent coursework information and resources. The professor's online **lecture notes** and **PowerPoint presentations** provide a wealth of additional, useful information – carefully read and study the lecture notes and view the complimentary PowerPoint presentations prior to completing the associated quizzes, exams, and assignments. The lecture notes and presentations can be directly accessed from the instructor's personal website, which includes an even wider variety of other web-based resources that may be of personal interest. Additionally, the site has links to the **"Earth Revealed"** geology instructional video series – a set of 24 half-hour lessons that requires a high-speed connection to watch. I have listed the "Earth Revealed" video series number(s) that correspond to the specific topic(s) of homework study each week within the class schedule below the textbook chapter reading assignments. Note that information found within the Earth Revealed videos are included in the test questions within the quizzes and exams.

# MiraCosta College Geology 101 Online Schedule Summer 2018

Week	Assigned Weekly Read/View/Study	Quizzes, Exams, and Assignments	Due Date
1	Prof's Welcome Message; Personal Intro Assignment in Discussion Folder	Post Personal Intro on Discussion Board	Wed 6/20
1	Course Syllabus	Take Quiz #1 - Syllabus	Thu 6/21
1	Tarbuck Textbook (TT) Chapters 1, 2; GotBooks.MiraCosta.edu E-Textbook (GBT) Ch 1, 2, 5; Earth Revealed Videos (ERV) 1 to 7	Take Quiz #2 – Earth Overview & Plate Tectonics (TT Ch 1, 2; Geology Cafe Text (GBT) Ch 1, 2, 5; ERV 1-7)	Sun 6/24
2	TT Ch 3, 23; GBT Ch 3; ERV 12	Take Quiz #3 - Minerals and Resources (TT Chapters 3, 23; GBT Ch 3; ERV 12))	Thu 6/28
2	TT Ch 4, 5; GBT Ch 7; ERV 13, 14	Take Quiz #4 – Igneous Rocks, Magmas & Volcanoes ( TT Ch 4, 5; GBT Ch7; ERV 13, 14)	Sun 7/1
3	TT Ch 6 -8; GBT Ch 8, 9; ERV 15-18	Take Quiz #5 –Sedimentary & Metamorphic Rocks (TT Ch 6, 7, 8; GBT Ch 8, 9; ERV 15-18)	Thur 7/5
3	TT Ch 8, 9; GBT Ch 1, 2,10; ERV 10,11	Take Quiz #6 –Geologic Time - Relative and Absolute (TT Ch 9; GBT Ch 1, 2, 10; ERV 10. 11)	Sun 7/8
4	TT Ch 11,12; GBT Ch 1, 2, 6; ERV 8, 9	Take Quiz #7 – Crustal Deformation and Mountain Building at Plate Boundaries (TT Chapters 10, 13 and 14; GBT Ch 1, 2, 6; ERV 8, 9)	Thu 7/12
4	Geology News Assignment Info in Discussion Folder	Post Geology News Article Summary + Link on Discussion Board with Additional Reply to Another's Student's Post	Thu 7/12
4	Exam Review – TT Ch 1-9, 23; GBT Ch 1-3, 5-10; ERV 1-6 8-18	Take Midterm Exam - (TT Chapters 1 through 9 and 23; GBT 1-3, 5-10; ERV 1-6, 8-18)	Sun 7/15
5	TT Ch 10, 13, 14; GBT Ch 5-7; ERV 7	Take Quiz #8 – Earth's Interior and Earthquakes (TT Ch 11, 12; GBT Ch 5-7; ERV 7)	Thu 7/19
5	TT Ch 16,17; GBT Ch 11; ERV 19-21	Take Quiz #9 – Rivers and Groundwater (TT Ch 16, 17; GBT 11; ERV 19-21)	Sun 7/22

<b>6</b>	<b>See Earthquake Research Assignment Instructions in Assignment Folder</b>	<b>Submit San Andreas Fault/ Earthquake Assignment</b> into the Assignment folder	Tues 7/24
<b>6</b>	<b>See Extra Credit Work in Extra Credit Folder</b>	<b>Submit Extra Credit Work</b>	Wed 7/25
<b>6</b>	<b>TT Ch 15, 20, 21; GBT Ch 8, 14; ERV 16, 23 &amp; 24</b>	<b>Take Quiz #10</b> – Mass Wasting, Shorelines, & Climate Change (TT Chapters 15, 20 and 21; GBT Ch 8, 14; ERV 16, 23-24)	Thu 7/26
<b>6</b>	<b>Final Exam Review – TT Ch 10 – 21; GBT Ch 5-8, 11, 14; ERV 7, 16, 19-24</b>	<b>Take Final Exam</b> - (TT Chapters 10 to 21 - NOT including 18, 19; GBT Ch 5-8, 11, 14; ERV 7, 16, 19-24)	Sat 7/28