

GEOL 148
Violent Earth



“Advice from the Earth: Be well rounded, keep a positive atmosphere, have a magnetic personality, celebrate diversity, think globally, be good to your mother, there is no place like home.”

--Ilan Shamir (Writer, Artist, Imagineer)

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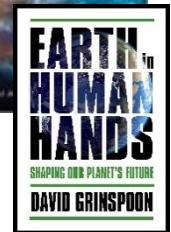
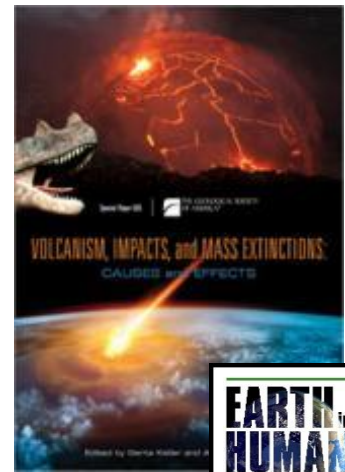


~~Office hours: M 11:30-12:30 T 11 Noon W 1:30-2:30 Th 3-4~~

Course info: Content delivered online

Text: NONE; but weekly reading will be posted on BB

Learning Objectives	
1.	Explain interrelationships of Earth Systems (Heliosphere, Atmosphere, Hydrosphere, Geosphere, Biosphere)
2.	Demonstrate knowledge of Deep History and Big Events
3.	Demonstrate knowledge of regional Geology
4.	Show written understanding of Earth Science Literacy Principles and Learning objectives 1-3



Grading Basis
Your grade in this class will depend heavily on your participation and engagement
A – 100-90% Engaged in discussion, excels on exams/quizzes, good presentation/report
B -- 89-75% Engaged in discussion, passes exams/quizzes, moderate presentation/report
C – 74 – 60% poor engagement in discussion, misses assignments, poor presentation/report
D/F Below 60% - disengaged from course material and peers, low exam scores, no presentation/report
Assignments- 20% Attendance- 40% Quizzes- 10% Exams- 30%

College/Course Policies and Additional Information

- 1) *Attendance:* After three unexcused absences, your grade will be reduced one letter. As a general rule, make ups for missed in-class activities, quizzes, exams, etc. will be provided only when due to an authorized absence. It is your responsibility to inform me of such situations *in advance* and to provide appropriate documentation. Although you will not be penalized when absences are authorized, it is important to understand that in some cases the make-up work may be significantly different from the original assignments, exams, etc.
- 2) *Grade Disputes and Resolution Policy:* It is up to the student to monitor their grades. If an error is made on a score, the student has 10 days from receiving the score to report the error to the instructor. If the error is discovered after 10 days, no attempt will be made to resolve the error.
- 3) *Papers submitted in this class may be reviewed by SafeAssignment:* SafeAssignment is a plagiarism detection tool that is part of the Course Management System. For all assignments submitted, SafeAssignment prepares a plagiarism report. The report indicates which text within the submission is similar to text found on the Internet or in papers stored in the vendor's database. Submitted papers are stored in Institutional document archives indefinitely, and are used in comparison for future student submissions from all SafeAssignment users (not only TVCC submissions).
- 4) *Non-Discrimination Statement:* It is the policy of the Treasure Valley Community College that there will be no discrimination or harassment on the grounds of race, color, sex [gender identity], sexual orientation, marital status, religion, national origin, age or disability in any educational programs, activities or employment. Persons having questions about equal opportunity and non-discrimination should contact the Human Resources Director located in the Student Services Center on the south side of the Four Rivers Cultural Center Building: 541- 881-5836.
- 5) *Special Needs Contact Statement:* Persons having questions about or requests for special needs and accommodation should contact Molly Vineyard, the Disabilities Services Coordinator at (541) 881-5802.
- 6) *Academic Honesty Statement:* Students at Treasure Valley Community College are expected to practice academic honesty by not cheating, plagiarizing, or misrepresenting their coursework in any way. Students are ultimately responsible for understanding and avoiding academic dishonesty whether such incidences are intentional or unintentional. Violations may result in failure of an assignment or failure of a course. For questions related to academic honesty policies, please contact Student Services: (541) 881-5802.
- 7) *Academic misconduct:* I consider any academic misconduct in this course as a serious offense, and I will pursue the strongest possible academic penalties for such behavior.

Course Behavior/Expectations-I expect your course behavior to reflect respect for all members of the online forum at all times. Violation of these policies will be considered **academic misconduct** (see above). In addition to lecture time, I expect you to spend 2-6 hours per week with reading assignments and/or homework assignments. **All quizzes and exams shall be proctored in a Testing Center.**

Communication -I will routinely communicate with the class via email. **Check your email** often. I will occasionally email attachments with supplemental material for discussion in the course management system. Class reading should be completed *as directed* (some before and sometimes after) the lecture. Lectures are meant to introduce and emphasize concepts and the assigned readings will help solidify the concepts.

Extra Credit-A maximum of 60 points of extra credit can be earned and will be factored into your lecture grade at the end of the course. Extra credit opportunities include: One current event summary related to Earth (5 pts); One review of ~1hr of geology-related podcasts (5 pts); One review of Special Topic Lecture (10 pts); One review of a documentary film (5 pts); One review of Hollywood film (5 pts); One Earth-oriented art project (5 pts, one maximum); One review of recommended book (5 pts); *exceptional* rock collection (20 points); One additional Field Trip report (20 points). Extra Credit materials need be submitted all at once under during the last week of the term. Keep reviews to 1 page and cite references, or no credit will be given. **Use only materials from the given list, unless otherwise approved.**

Tentative Schedule of Topics

Week	Topic
1	Lesson 1: Introduction to Our Violent Earth, it's Systems and Deep History Lesson 2: Our Layered Earth made of Rocks Lesson 3: Geologic Timescale and Plate Tectonics [Quiz 1]
2	Lesson 4: Our Violent Beginnings [Quiz 2]
3	Lesson 5: Deep Freeze, Glaciation and Ice Ages [Quiz 3]
4	Lesson 6: Our Quiescent Crust, Violent Volcanism, and Supercontinents EXAM 1
5	Lesson 7: Extra Terrestrial Asteroid Impacts [Quiz 4]
6	Lesson 8: Catastrophic Gasses Lesson 9: Life and Death on Planet Earth [Quiz 5]
7	Lesson 10: Extinctions of Mass Proportions: The Big 5 EXAM 2
8	Lesson 11: Flooding in Paradise [Quiz 6]
9	Lesson 12: Violent Species Lesson 13: Our Gaian Planet [Quiz 7]
10	Lesson 14: Welcome to the Anthropocene Lesson 15: Catastrophes in Review
11	Comprehensive Final Exam

Earth History in a 10 week Term

1 day = 65 Ma

Week 1	Day 1						Day 7
Week 2							
Week 3							
Week 4							
Week 5							
Week 6							
Week 7							
Week 8							
Week 9							
Week 10							Day 70