

GEOLOGY 303 NATURAL DISASTERS FALL 2005 RICK MILLER

TEXTBOOK. Hyndman, D.& Hyndman, D. 2006. Natural Hazards and Disasters. Thompson, Belmont, CA. 490 p. ISBN 0-534-99760-0

QUIZZES: SHORT QUIZZES DURING THE SEMESTER – TO BE ANNOUNCED, BUT GENERALLY EVERY TWO TO THREE WEEKS **NOTE: It is your responsibility to find out when quizzes will be given. They will be announced during class meetings.**

EXAMS: **TWO EXAMS**; ONE MIDTERM AND ONE DURING FINAL EXAM WEEK

GRADES: BASED ON TOTAL POINTS EARNED ON QUIZZES AND EXAMS, AND YOUR POSITION RELATIVE TO REST OF CLASS

OFFICE & INFORMATION GMCS 228E
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OFFICE HOURS: TuTh 11:00 – 12:00; Wednesday 2:00 – 4:00, OR BY APPOINTMENT

SCHEDULE OF LECTURE TOPICS (TuTh Class Meeting)

Some Introductory Topics

Sept 1 An introduction to “natural disasters” Human Population Growth	Chs. 1, 18
Sept. 6 Earth as an Energy Machine	Lecture Material
Sept. 13 How Is The Earth Put Together?	Ch. 2

QUIZ 1

Sept. 20 Plate Tectonics – How the Earth works	Ch. 2
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Disasters Resulting From Internal Processes

Sept. 27 Brief Introduction to Geologic Time Introduction to Seismology	Appendix 1 Ch. 3
Oct. 4 Earthquakes: How, Why, Where, When Seismic Sea Waves	Ch. 4 Ch. 5

QUIZ 2

Oct. 11 Volcanoes and Volcanic Eruptions	Chs. 6, 7
Oct. 18 More on Volcanism	Chs. 6, 7

EXAM 1

Disasters Resulting From External Processes

Oct. 25 Mass Movements Ch. 8
Collapse Features Ch. 9

QUIZ 3

Nov. 1 Climatic Events and Processes Ch. 10
Nov. 8 Storms Chs. 14, 15
Nov. 15 Rivers and Floods Chs. 11, 12
Nov. 22 Fire Ch. 16

QUIZ 4

THANKSGIVING RECESS

Nov. 29. Coastal Erosion Processes Ch. 13

Disasters Resulting From Long Term Processes

Dec. 6 Extra Terrestrial Impacts Ch. 17
Dec. 13. Extinctions Lecture Material
Last Class Meeting Before Final Exam)

FINAL EXAM (During Final Exam Week)