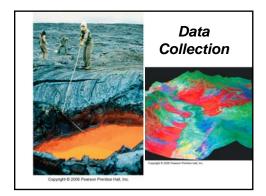


Scientific Inquiry

- Gather data
- Formulate plausible explanations
- Devise tests and predictions
- Revise, reject or accept explanations



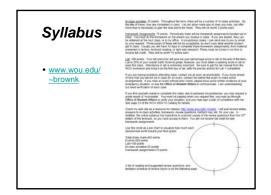
Scientific Method

- Collect facts
- Develop hypotheses
- Test
- Review

Hypothesis vs. Theory

- Hypothesis is an explanation that requires testing
- Theory has been tested, and is supported by the evidence, and predicts things not used to formulate the hypothesis
- <u>Paradigm</u> is a theory that explains wide ranging sets of observations

Syllabus	Earth System Science I (ES 104) Systems—Fait 2009 Inseam Chapter Dearest Matter Exercise Matters Faith Matter Matter Exercise Matters (2014) 21			
	Instructor Kanes Brisen Office: Native Diserver 213 Please (50) EDI-4205 Office Huns Manday and Thursday & EDI-to 1402 AM			
	Tavelie VIC 6 11 50 AM, or for appendixment Dradi interventioners, etc. Dradi interventioners, etc. Vice interventioners, etc.			
	Goal: Understand the character and formation of the butar Epidem, become familiar with the processes of the otherics of Planet Earth, excluding path tectures, earthquides and volumess, and monotype for programming of Earth networks.			
• <u>www.wou.edu/</u> <u>~brownk</u>	Textbook. Egith Subscore 12 ⁹ EIX. In Elevant J. Tartuck and Freedmin K. Lutpers. 2000, Private Hut, Frances Education, New Jones, UMM 171-5 (10202017), choose caller address are acceptative. It is your responsibility to read-the approximate paper and do the Lonez review quarktime. There are hypothysis to review quarktime in the others called in the future 1.			
	Grading: The following shart contains the points required for grades in this class			
	Polisity Pursuest Latter grade 490-360 0.00-90% A Hea and minus 328-320 918.940% B grades may be 318-320 918.940% B grades may be 319-320 918.940% B anti-utility 319-320 919.940% D anti-utility 319-320 919.940% D anti-utility 318-310 919.940% D anti-utility			
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	Course	S	chedı	ıle
	Ten	tative S	chedule	
	Topic	Chapter		Suggested Review Questions
15-25 Sept	Introduction To Earth Science 104	1	1-9, 12-15, 22-25	Ch1:1.2.4.7
Sept 30- 1 Out	Earth's place in the cosmos, internal structure	,	9-12, 15-21, Box 1 1 on 4-5	Ch 1: 9. 10, 13, 15, 6
	History Cf Astronomy	21	598-605	Ch21:2-4.8.11
5-8 Det	Celestal Motion, Earth-Moon System	21.22	605-620, 629-632	Ch 21: 14-20: Ch 22: 4-6
7-8 Del	Planets of our Solar Bystem	22	624-629, 632-643	Ch 22: 1, 2, 7, 8, 12, 14-16, 19
10-13 Det	Minor member of Solar System, Light, Telescopes	22, 23	643-649, 652-665	Ch 22 20-20 Ch 23 1 2 7 0 11
14-18-Det	Sun, Stars	23, 24	665-672, 674-683	Ch 23: 18-24: Ch 24: 1, 2, 5-7
19-20 Out	Stellar evolution, Galaxies	24	584-697	Ch 24: 15: 17: 19: 21: 22
21-22 Oct	Exam	BRING SCANTRON		
Cate	Tapic	Chapter	Pages	Suggested Review Questions
28-27 Ovt	Continental Draft, Plate Tectorsics, Plate Divergence	7	186-199	Ch7 1 2 4 5 7.8
29-25 CH	Plate Motion: Other Types, Evidence, Mechanisms	7	199-214	Ch.7. 9-14, 18, 19, 21
2-3 1604	Earthquakes, Seismology	8	218-231	Ch 8: 1. 2. 4. 9. 10. 12
	Earthquake Effects	8	231-243	Chill 11, 54-19, 22
8+10 Nev	Mnerals	2	28-47	Ch.2. 1. 2. 4. 8. 9. 11-14
11/12 1984	Rock Cycle, Igneous Rocks, Mineral Resources	3	50-62, 76-78	Sh3.1-5.17-18
18-17 Here	Volcanoes	9	246-265	Ch 9: 1-5, 8-10, 12
18-18 Nov	Intrusive Processes, Plate Tectorics and Magma	. 9	266-278	Ch.9.19-24
	Video: Birth of a Theory			
1 Dec	Rock Deformation	10	282-292	Ch 10: 1-3, 6-8, 10, 12, 13
2-3 Dec	Mountain Building	10	292-304	Ch 10, 14-15, 18, 20
5-Dec	Mon/Wed Class: Final Exam-2 PM	BRING SCANTRON		
5-Det	Tu/Thur Class; Final Exam-10 AM			