

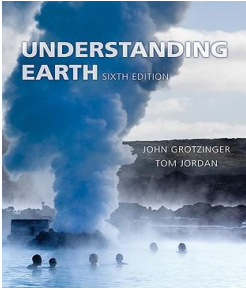
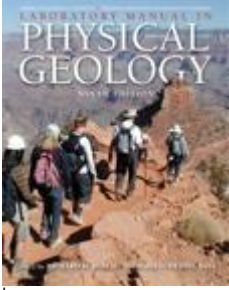


HOUSTON COMMUNITY COLLEGE SOUTHWEST COURSE OUTLINE FOR GEOL. 1403- PHYS.GEOLOGY

**FALL, 2012
CRN Number 26345**

Discipline/Program	Geology
Course Level	First year (freshman)
Course Title	Physical Geology
Course Rubric and number	Geol. 1403
Semester with CNR	Fall, 2012
Course location/Times	Sat , Lab. Room S114, 8:00-12:00am @Stafford campus Sat ,Lecture Room S114 ,12:30 4:30
Course Semester credit Hours	4 (3lect, 3 lab.)
Total Course Contact Hours	96 hours
Course Length (# weeks)	12 weeks
Type of instruction	Direct instruction
Instructor contact information	Dr. JALAL UD DIN QURESHI e-mail: T.B.A learning web: http://learning.hccs.edu/faculty
Office location and hours	Stafford Campus
Course description: Hcc Catalog description	Science and engineering majors study the Earth's geological processes. Students will know, A. The Main aspects of the Plate Tectonics theory identify the Earth plates and their boundaries. B. The course will focus on the features resulting from geologic processes such as mountain building, earthquakes and volcanoes, and the impact of these processes on the environment. C. The types of rocks (sedimentary, Igneous, metamorphic) and their way of Deposition.
Course Prerequisite	One year of high school earth science and MATH 1314 (College Algebra). 4 credit (3 lect + 3 lab).
Course Student learning Outcomes (SLO)	1. Level 1: Knowledge: 1. Define Physical Geology, and processes that shape landforms. 2. Define the formation and position of the Earth in the Solar System. 3. Define the Major features of the Oceanic and Continental Crusts. Level 3: Application 1. Interpretation and application of Topographic maps and Geologic profiles. Level 4: Analysis 1. Analyze, organize and contrast Minerals and Rocks in terms of physical properties, textures, and compositions. Level 6: Evaluation 1. Evaluate the models

	of Continental Drift and Plate Tectonics.
Learning objectives (Numbering system linked to SLO)	<p>Level 1: Knowledge:</p> <ol style="list-style-type: none"> 1. Define Physical Geology in terms of the Earth's materials, features, and processes that shape landforms. 2. Define the formation and position of the Earth in the Solar System. 3. Define the major features of the Oceanic and Continental Crusts. <p>Level 3: Application</p> <ol style="list-style-type: none"> 1. Interpretation and application of topographic maps and geologic profiles. <p>Level 4: Analysis</p> <ol style="list-style-type: none"> 1. Analyze, organize and contrast Minerals and Rocks in terms of physical properties, textures, and compositions. <p>Level 6: Evaluation</p> <ol style="list-style-type: none"> 1. Evaluate the models of Continental Drift and Plate Tectonics. <p>1. Level 1: Knowledge:</p> <ol style="list-style-type: none"> 1. Name the Geological terms used in describing Earth's materials, features, and processes that shape landforms. 2. Identify the position of the Earth in the Solar System. 3. Identify the major of the Oceanic and Continental Crusts. <p>Level 3: Application</p>
<p>TANTATIVE SCHADULE</p> <p>Course Content</p>	<p>Presentations/ course overview/ policies/Lab safety.</p> <p>09/ 22/12 Introduction, lecture, videos, General Discussion.</p> <p>09/29/ 12 Chapter 1: Earth system & Chapter 2 : plate tectonics</p> <p>Chapter 3 : Earth Materials, Minerals and Rocks.</p> <p>Lect. Exam # 1 .</p> <p>10/ 06/ 12 Chapter 4 : Igneous Rocks , Chapter 5: sedimentary Rocks</p> <p>Chapter 6: Metamorphism</p> <p>10/13/12 Chapter 7 : Deformation chapter 8 ,chapter 9 ,chapter 10 ,</p> <p>Lecture exam #2</p> <p>10/20 /12 Chapter 11 & 12 : volcanoes</p> <p>10/ 27/12 Chapter 13: earthquakes , exploring earth's interior</p> <p>Chapter 15 : climate system</p> <p>Chapter 16: weathering ,Erosion & Mass Wasting</p> <p>Chapter17: Hydrologic cycle and groundwater, Human Impact on earth environment.</p> <p>11/3/12 Chapter 18. Stream transport.</p> <p>11/10Chapter 19 wind and DESERTS</p> <p>11/ 17/ 12 Chapter 20 Coastal line and ocean Basins,</p> <p>11/24/ 12 Chapter 21. Glaciers</p> <p>12/ 01 / 12 Chapter 22. landscape Development</p> <p>12/08 / 12 Chapter 23. The Human Impact on Earth environment.</p> <p>Final exam review</p> <p>08:30 – 10:30 (15th, December 2012)</p>
Instructional methods	Standard class lectures using white board, power point, and hands-on activities for lab.

Instructor's requirements	<p><u>Attendance:</u> Students are supposed to be on time for calls, and have a perfect attendance. Instructor will check attendance daily. No more than 3 excused absences are accepted. Failure to break the rule leads to student withdrawal from the course.</p> <p><u>Course materials:</u> Students should bring textbook and lab. Manual to class. No copies are accepted. This non- negotiable matter.</p> <p><u>Classroom policy:</u> Food and drinks are strictly prohibited, as well as the use of cell phone in class.</p>
EGLS – Evaluation for Greater Learning Survey System	<p>EGLS₃ -- Evaluation for Greater Learning Student Survey System At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.</p>
Grading Scale	<p>The grading scale used is the following: A = 90 – 100 B = 80 – 89 C = 70 – 79 D = 60 – 69 F = < 60</p>
Instructional materials	<div style="display: flex; justify-content: space-around; align-items: flex-start;">   </div> <p><u>Textbook:</u> Lecture: Understanding Earth, 6th Edition, Press, Siever, Grotzinger& Jordan; Freeman Publishers., 2007.</p> <p><u>Lab. Manual:</u> Laboratory Manual in Physical Geology, 9th Edition: Edited by R.M. Busch; Prentice-Hall publishers.</p> <p>EACH STUDENT MUST HAVE HIS OWN LAB MANUAL. <u>COPIES ARE NOT ACCEPTED.</u></p>
Academic Honesty	<p>Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Disciplinary proceedings may be initiated by the college system against a student accused of</p>

	<p>scholastic dishonesty. Penalties can include a grade of "0" or "F" on the particular assignment, failure in the course, academic probation, or even dismissal from the college. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion</p>																
Disability Support Services	<p>HCCS is committed to compliance with the American with Disabilities Act and the Rehabilitation Act of 1973 (section 504)</p> <p><i>"Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office"</i></p> <p>If you have any special needs or disabilities which may affect your ability to succeed in college classes or participate in college programs/activities, please contact the office of disability support services at the college. Upon consultation and documentation, you will be provided with reasonable accommodations and/or modifications. Please contact the DSS office as soon as you begin the term. For questions, contact Donna Price at 713 718 5165 or the Disability Counselor at HCC-Southwest: Dr. Becky A. Hauri at 713 718 7909; also see the Schedule of Classes for additional DSS numbers.</p> <p>Also visit the ADA web site at: http://www.hccs.edu/students/disability/index.htm. Faculty Handbook/ Faculty Orientation is also available at http://www.hccs.edu/students/disability/faculty.htm</p>																
HCCS Sexual Harassment Policy	<p>HCC shall provide an educational, employment, and business environment free of sexual harassment. Sexual harassment is a form of sex discrimination that is not tolerated at HCC. Any student who feels that he or she is the victim of sexual harassment has the right to seek redress of the grievance. HCC provides procedures for reviewing and resolving such complaints through its Grievance Policy. Substantiated accusations may result in disciplinary action against the offender, up to and including termination of the employee or suspension of the student. In addition, complainants who make accusations of sexual harassment in bad faith may be subject to equivalent disciplinary action.</p>																
Important dates	<table> <tr> <td>September , 22 2012</td><td>Classes begin</td></tr> <tr> <td>November 2</td><td>Last day of administrative/student withdrawal 4:30pm</td></tr> <tr> <td>November 21</td><td>No night classes before thanksgiving</td></tr> <tr> <td>November 22-25</td><td>Thanksgiving holiday</td></tr> <tr> <td>December 9th</td><td>Instruction ends</td></tr> <tr> <td>December 10-16</td><td>Final examination</td></tr> <tr> <td>December 17</td><td>Grades due by 12 noon</td></tr> <tr> <td>December 21</td><td>Grades available to students</td></tr> </table>	September , 22 2012	Classes begin	November 2	Last day of administrative/student withdrawal 4:30pm	November 21	No night classes before thanksgiving	November 22-25	Thanksgiving holiday	December 9th	Instruction ends	December 10-16	Final examination	December 17	Grades due by 12 noon	December 21	Grades available to students
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