

**EARTH SCIENCE 1140**  
**Fundamentals of Earth Science**

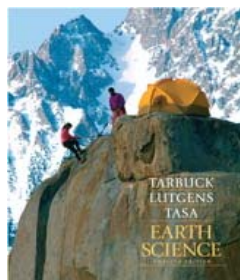
**This is an information sheet only, not the course syllabus.**

**COURSE DESCRIPTION**

(IAI P1 905L)

An introduction to the study of the Earth as a planet. Topics from the disciplines of astronomy, meteorology, oceanography, and geology are explored to develop an appreciation of our planet as an integrated system. Includes analyses of the dynamic processes of the Earth's interior, surface, oceans, atmosphere, and astronomical surroundings. Prerequisite: Math 0481 with a grade of "C" or better or equivalent qualifying score on math placement test. (4 credit hours)

**COURSE MATERIALS**



**Textbook:**

*Earth Science*, Lutgens, Tarbuck and Tasa, 12<sup>th</sup> Edition

**ISBN: 978-0-13-602007-3**

**Rock/Mineral Kit:**

**Burminco Lab Kit - Campus Bookstore**

**COURSE OUTLINE**

<b>Unit</b>	<b>Topics</b>
One	Solar System, Earth-Sun Relationships, Atmospheric Heating
Two	Atmospheric Moisture, Ocean Currents, Mid-Latitude Cyclones
Three	Running Water, Ocean Salinity/Density
Four	Ocean Floor, Plate Tectonics, Continental Drift, Earthquakes, Volcanoes
Five	Minerals, Rocks, Geological Time

**EVALUATION/GRADING**

<b>Course Components Subject to Evaluation</b>	<b>Point Value</b>
Unit 1	266 pts.
Unit 2	181 pts.
Unit 3	130 pts.
Unit 4	207 pts.
Unit 5	211 pts.
5 Exams (50 pts each)	250 pts.
<b>GRAND TOTAL</b>	<b>1245 pts.</b>

<b>Grade</b>	<b>Percent</b>
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	Lower than 60%

**SATISFACTORY/FAIL OPTION**

The S/F grade option is available to students in this course. Contact the instructor or refer to the syllabus for details and conditions.

**INCOMPLETE GRADE POLICY**

If you may find that you are unable to complete the course by the end of the semester for some unavoidable reason you may request an Incomplete grade. Contact the instructor or refer to the course syllabus for details.