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This course provides an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. The laboratory component focuses on the identification of: rocks and minerals; topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity; and effects of tectonic activity.

Letter Grade, Pass/No Pass

45-6,(4

#1.6781 9278,(48 – 54, #/: 9278,(48 – 54

)8181;7-,-61,(None
<2 =1;7-,-61,(None
'>?-,28+(None

Transferable to both UC and CSU

@A< !(Area A-5: Natural Sciences
<B4 !(Area B1 - Physical SciencesArea B3 - Laboratory Activity- Lab course used from B1 or B2
4<CD !E< !(Area 5A - Physical SciencesArea 5C – Laboratory
<DF(GEOL 101 - Physical Geology with Lab

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Historical geology introduces theories on the origin of the earth, oceans, atmosphere, paleogeography, and life as determined in the fossil and stratigraphic rock record during the past 4.6 billion years. Subjects include the minerals and rocks, plate tectonics, geologic dating, fossils, stratigraphy, biological evolution, the origin of planet Earth, and environment of deposition of rock formations. With the background of geologic principles, the development of the North American continent is introduced in detail.

Letter Grade, Pass/No Pass

45-6,(4

#1.6781 9278,(48 – 54, #/: 9278,(48 – 54

)8181;7-,-61,(None
<2 =1;7-,-61,(None
'>?-,28+(GEOL 001A

Transferable to both UC and CSU

@A< !(Area A-5: Natural Sciences
<B4 !(Area B1 - Physical SciencesArea B3 - Laboratory Activity- Lab course used from B1 or B2
4<CD !E< !(Area 5A - Physical SciencesArea 5C – Laboratory
<DF(GEOL 110 - Historical GeologyGEOL 111 - Historical Geology with Lab

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This course provides an introduction to the essentials of Earth Science. The course focuses on the interactions between physical and chemical systems of the Earth, including the geosphere, atmosphere, hydrosphere, and solar system. Lecture topics include plate tectonics, rock cycle, hydrologic cycle, solar system astronomy, weather, and climate. Laboratory activities include: mineral and rock identification; plate tectonics, earthquakes, and volcanoes; groundwater, stream, and mass wasting processes; geologic time and fossils; solar system and lunar astronomy; weather and climate; and field trip studies.

Letter Grade, Pass/No Pass

45-6,(4

#1.6781 9278,(48 – 54, #/: 9278,(48 – 54

)8181;7-,-61,(None
<2 =1;7-,-61,(None
'>?-,28+(None both UC and CSU

Transferable to both UC and CSU

@A< !(Area A-5: Natural Sciences
<B4 !(Area B1 - Physical SciencesArea B3 - Laboratory Activity- Lab course used from B1 or B2
4<CD !E< !(Area 5A - Physical SciencesArea 5C – Laboratory
<DF(GEOL 121 - Earth S

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This course introduces basic tools and techniques used in geologic fieldwork including pocket transit compass, air photography interpretation, and the analysis and interpretation of geologic maps. Nine to ten days of weekend field trips are required, including a four- to six-day camping trip to complete the geologic mapping exercise.

Letter Grade, Pass/No Pass

45-6,(2

#1.6781 9278,(16 – 18, #/: 9278,(48 – 54

)8181;7-,-61,(None
<2 =1;7-,-61,(None
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Transferable to CSU only

@A< !(Area A-5: Natural Sciences
<B4 !(Area B1 - Physical SciencesArea B3 - Laboratory Activity- Lab course used from B1 or B2

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This is a lecture course conducted partially in the field, whovfid,