

CE240 Introduction to Geosciences

SYLLABUS



| Topics |
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| Course Policies, Introduction |
| Cosmology and Birth of Earth |
| Geologic Time |
| Earth's Interior |
| Lab #1 - Setting the stage for Learning about the Earth |
| Continental Drift |
| Plate Tectonics |
| *Lab #2 - Topo Maps |
| Earthquakes |
| Minerals |
| Mineral Identification |
| *Lab #3 - Minerals Lab |
| Minerals Resources |
| Rocks |
| *Lab #4 – First Looks at Rocks |
| Igneous Rocks and Magma |
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| *Lab #5 - Igneous Rocks Lab |
| Volcanoes |
| Sediments and Soils |
| Sedimentary Rocks and Structures |
| *Lab #6 - Sed Rock Lab |
| Metamorphic Rocks |
| Metamorphic Rocks |
| *Lab #7 - Metamorphic Rock Lab |
| Rock Cycle and Crustal Deformation and Mountain Building |
| Crustal Deformation and Mountain Building and Fossils |
| Lab #8 - Interpreting Geologic History/Geologic Maps Lab |
| Hydrologic Cycle and Water as an Agent of Change |
| Groundwater |
| Lab #9 - Groundwater Lab |
| Landslides |
| Renewable and Non-Renewable Energy |
| Sustainable Development |

***Hands-on activities**