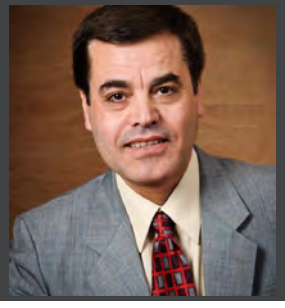
Geoscience for Energy Transition

A new course in Fall 2023

This course is listed as "Petroleum Geoscience."



COURSE DESCRIPTION

Energy, mineral, water, soil and food resources are generated through complex, interacting sets of materials and processes operating at the Earth's subsurface, land surface, oceans and the atmosphere. This course presents an in-depth understanding of Earth's dynamic systems and substances, how geoscience techniques are employed for energy and mineral exploration and extraction, and how geoscience skillsets are essential to energy transition to low-carbon economies with environment-friendly and secure energy supplies.

This cross-disciplinary course would be of interest to students majoring in sciences and engineering that deal with energy and mineral resources and sustainability.

CH EN 5163/6163

Class # 18994 / 18995
3 credit hours

Modules

Energy Evolution & Transition
Earth Dynamics & Energy Resources
Energy & Critical Minerals
Petroleum Systems & Basins
Geothermal Power
Hydrogen Economy
Carbon Geoengineering

INSTRUCTOR

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To register: Chemical Engineering Fall 2023

COLLEGE OF ENGINEERING
THE UNIVERSITY OF UTAH

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