



TECHNICAL UNIVERSITY OF CRETE

School of Mineral Resources Engineering,
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Course list spring semester 2025-26

	Main (2 selections)	Elective (1 selection)
Specialization 1 (Energy)	Biofuels-Thermochemical processes (D. Vamvouka, S. Sfakiotakis) Fossil Fuels and Energy Transition (A. Giotis) Energy-efficient mineral processing plant design (E. Petrakis) Data science for Exploration and Exploitation (E. Varouchakis)	Seismic signal processing (A. Vafidis) Environmental economics and policy (S. Rozakis) Circular Economy (A. Stefanakis) Any other main course of Specialization 1 or 2
Specialization 2 (Raw Materials)	Emerging technologies for the exploration of raw materials (A. Vafidis, P. Partsinevelos, E. Varouchakis) Instrumental analysis for raw materials (D. Pentari, N. Lydakis) Economic geology of industrial minerals and rocks (G. Christidis) Advanced Geomechanics (G. Xiroudakis, P. Liolios, G. Saratsis)	