



Ten Days of Structured Learning

Each day combines conceptual morning sessions with hands-on afternoon work in Python and GIS.

Week 2 — Structural Analysis

Day	Theme	Morning — Concepts	Afternoon — Hands-On
6	Structural Controls on Geothermal Systems	Faults, fractures, and permeability; structural indicators of geothermal resources	Structural data compilation; interpretation of mapped and remote sensing-derived features
7	Fault Density Mapping	Quantitative methods for fault density and intersection analysis	Fault extraction and density analysis; mapping structurally favorable zones
8	Prospectivity Modeling	Integration of fault density and LST maps into prospectivity analysis	Conducting geothermal prospectivity analyses combining Weeks 1 and 2 results
9	Communication & GenAI Documentation	Communicating results to technical and non-technical audiences	GenAI-assisted report drafting, prompt engineering, figures, and review-and-verify workflows
10	Synthesis & Presentation	Best practices for exploration decision support	Participant presentations; peer and instructor feedback; real-world application discussion