Reservoir Rock Mechanics 206-23921 – 2.5 credits
Prof. Yossef Hatzor

Syllabus
Index properties of rocks. Classification of rock masses for engineering purposes; Stress analysis in two dimensions; Strain analysis in two dimensions, Introduction to theory of elasticity and special cases; Theory and empirical criteria for rock strength, Friction of rock discontinuities; In-situ stress determination; Design of foundations in rock; introduction to stability of underground openings.

Bibliography

Course Requirements
2 hr lecture
1 hr tutorial