

Rock Geomechanics

[@wikipedia](#)

Branch of [mechanics](#) concerned with the response of rock and rock masses to the [forces](#) or [displacements](#)

It forms a separate [Subsurface E&P Discipline](#) but in fact its studies are shared between two different workflows: [Petroleum Geology](#) and [Petrophysics](#)

[Petroleum Geology](#) uses [Rock Geomechanics](#) to model the rock stress and fractures

[Petrophysics](#) uses [Rock Geomechanics](#) to model the [Geomechanical Stress Modelling](#)

See Also

[Petroleum Industry / Upstream / Subsurface E&P Disciplines](#)

[[Geomechanical Rock Properties](#)] [[Geomechanical Stress Modelling](#)]

[[Geostatic Pressure](#)] [[Effective Stress](#)] [[Pore Pressure](#)]

[[Basic Petroleum Rock and Fluid Properties Handbook](#)]