

# Grouting Fundamentals & Current Practice



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This course covers injection grouting as a method to improve soil settlement and strength characteristics, and to decrease permeability of soil and rock masses. Major topics covered include properties of cementitious and chemical grouts, procedures for cement and chemical grouting, field monitoring and verification, grouting rock under dams, grouting of rock anchors and micropiles, deep mixing, jet grouting, diaphragm walls, compaction grouting, slab jacking, structural grouting, and grouting for underground structures. Included in the curriculum is a field demonstration of compaction and permeation grouting, flow of ultrafine cement, grout mixing, use of cellular concrete in annular grouting, overburden drilling, grouting of rock anchors, and use of packers.



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