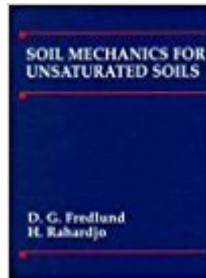




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Soil Mechanics For Unsaturated Soils



Synopsis

The principles and concepts for unsaturated soils are developed as extensions of saturated soils. Addresses problems where soils have a matric suction or where pore-water pressure is negative. Covers theory, measurement and use of the fundamental properties of unsaturated soils--permeability, shear strength and volume change. Includes a significant amount of case studies.

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“I expect that ‘Unsaturated Soil Mechanics in Engineering Practice’ will remain an essential reference for educators, researchers and practitioners for a long time to come.” (Geotechnical News, 1 December 2012)

The principles and concepts for unsaturated soils are developed as extensions of saturated soils. Addresses problems where soils have a matric suction or where pore-water pressure is negative. Covers theory, measurement and use of the fundamental properties of unsaturated soils--permeability, shear strength and volume change. Includes a significant amount of case studies.

This book is classic but out of date. You can keep it on your shelf as a historical reference. If you want to know modern unsaturated soil mechanics, please refer to Lu & Likos 's unsaturated soil mechanics.

The book is a very comprehensive and well written textbook. What is particularly of value is the section on swelling soils, that lays out the theory, analysis, and expected outcomes. All in all one of the best books on swelling soils.

This book provides great depth and detail in unsaturated soil mechanics for geotechnical practitioners. It is always a reference that is used in moments of direction and confirmation. The hard cover keeps the book intact for a long life hopefully to be handed on to future generations. Due to it's size it is not a book for the field.

The book is classic. But i got the almost photocopied version book which is made me a bit upset.

If you want to study unsaturated soil, this is the book that you must have. Excellent work !

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