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INTRODUCTION TO SOIL MECHANICS AND FOUNDATIONS 1.0 INTRODUCTION
Soil is the oldest and most commonly used soils as construction material to build houses, roads, ports, and shells. Western civilization credits the Romans for recognizing the importance of soils in the stability of structures.

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The application of the principles of soil mechanics to the design and construction of foundations for various structures is known as "Foundation Engineering".

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Obviously soil mechanics is the mechanics of structures made of soils and there are also rock mechanics for rocks and fluid mechanics for fluids. Some important branches of mechanics are illustrated in Fig. 1.3; all of these are used in soil mechanics and appear later in this book.

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dealing with soil as an engineering material. Soil has many different meanings, depending on the field of study.

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