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 of rock and is a volcanic rock. It comes from deep in the earth  
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 processes involved in generating and modifying magmas,  
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igneous and metamorphic petrology in a single volume—and provides the quantitative and technical background required to ...

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OVERVIEW OF MODULE: The module begins with an introduction to magma sources and the variability of igneous rocks compositions. This is followed by a discussion of the processes involved in generating and modifying magmas, including partial melting, fractional crystallization, assimilation, mixing and mingling.

#### **Winter, Principles of Igneous and Metamorphic Petrology ...**

An introduction to igneous rocks requires exploration of three core ideas. Each of these is introduced simplistically below, and then further explored in other pages of the site. Formation, Classification, and Identification of Igneous Rocks (next).

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Pearson, 2010 John D. Winter/ .An Introduction to Igneous and Metamorphic Petrology. Prentice-Hall, 2001. Bruce W. Yardley /

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Introduction to Igneous Rocks An igneous rock is any crystalline or glassy rock that forms from cooling of a magma. A magma consists mostly of liquid rock matter, but may contain crystals of various minerals, and may contain a gas phase that may be dissolved in the liquid or may be present as a separate gas phase.

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