

GEOLOGY 310 Lab: IGNEOUS AND METAMORPHIC PETROLOGY LAB - SPRING 2002
DR. MARTIN (GEOLOGY) AND MS. PEOPLES (SCIENCE LIBRARIAN)
THURSDAY, 1:10 TO 4:00 PM

Petrology lab will focus on two fundamental aspects of the science: the description and interpretation of rock samples and the effective communication of information.

<u>Date</u>	<u>Topic</u>
Jan. 17	The fundamentals of rock description

Please refer to the following chapters in Winter for the labs on Igneous Rocks:

- Chapter 2, p. 17 - 26, for a discussion of the classification of igneous rocks
- Chapter 3, p. 27 - 45, for a discussion of igneous minerals and textures

Jan. 24	CIPW Norms and igneous rock classification <input type="checkbox"/> The Geological literature and scholarly communication	Winter Ch. 8
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Jan. 31	An introduction to the petrographic microscope <input type="checkbox"/> The search for a topic
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Feb. 7	Mafic volcanoes and textures ➤ Term paper Topic Due
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Feb. 13	Mafic plutonics - The Stillwater Complex <input type="checkbox"/> Conducting research using CONSORT and OhioLINK
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Feb. 21	Felsic volcanoes and textures <input type="checkbox"/> Conducting research using GeoRef
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Feb. 28	Felsic plutonics
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March 7	Ultramafic and alkaline rocks ➤ TERM PAPER OUTLINE DUE ➤ PRESENTATION OF JOURNAL READINGS ON IGNEOUS PETROLOGY
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March 14	SPRING BREAK
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Please refer to the following sections of Winter for the labs on Metamorphic Rocks.

- Ch. 22, p. 433 - 439 for a discussion of the common types of metamorphic rocks.
- Ch. 23, p. 440 - 476 for a discussion of textures and structures in metamorphic rocks

March 21	Metamorphic minerals and textures <input type="checkbox"/> Searching and evaluating the World Wide Web
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March 28	Graphic metamorphic minerals and reactions <input type="checkbox"/> The Finer Points of Writing Up and Presenting Research (Abstracts, Illustrations, and Presentation Media); Plagiarism; Citation	Winter Ch. 24
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April 4	Metamorphism of pelitic rocks
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April 11	Metamorphism of quartzofeldspathic rocks ➤ ROUGH DRAFT OF TERM OPAPER DUE (WRITING OPTION)
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April 18	Metamorphism of mafic and ultramafic rocks
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April 25	Metamorphism of carbonate rocks ➤ TERM PAPERS DUE ➤ PRESENTATION OF TERM PAPERS
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May 2	PRESENTATION OF JOURNAL READINGS ON METAMORPHIC PETROLOGY
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