

**GEOL 2020 – Introduction to Petrology
Spring 2012**

Instructor: Art Snoke (ESB 3014)

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Class meeting: M 10:00–10:50 am, Engineering Building, Room 3110

Labs: M 1:10–3:00 pm, or W 12:10–2:00 pm, or W 2:10–4:00 pm.

Office Hours: M 11:00 am–noon; T 3:00–4:00 pm; W 11:00 am–noon; or by appointment.

Teaching Assistants: Tim Matthews and Karri Sicard

Text: B. Ronald Frost, 2012, *An Introduction to Igneous, Sedimentary, and Metamorphic Rocks* (v. 1.1). *Please bring the text to class because it will commonly serve as a useful reference during the lecture.*

GENERAL LECTURE OUTLINE FOR GEOLOGY 2020:

January 9th – Introduction to course, some basic definitions, classification of granitoid rocks, mineral identification; *Chapter 1*

January 16th – no class; Martin Luther King, Jr. Birthday Celebration; national and University holiday.

January 23rd – Characteristics of magmas and some igneous textures; *Chapter 2*

January 30th – Coarse-grained plutonic rocks; *Chapter 3*

February 6th – Volcanic and volcanoclastic rocks; *Chapter 4*

February 13th – **Test #1**

February 20th – Clastic sedimentary rocks – I; *Chapter 5*

February 27th – Clastic sedimentary rocks – II; *Chapter 5*

March 5th – Limestones and dolomites; *Chapter 6*

March 12th – no class, Spring Break

March 19th – Chemical sedimentary rocks – II and organic sedimentary rocks; *Chapter 6*

March 26th – **Test #2**

April 2nd – Introduction to metamorphism, ACF diagrams; *Chapter 7*

April 9th – Metabasites and metamorphic facies; *Chapter 8*

April 16th – Metapelites; *Chapter 9*

April 23rd – Marbles and other metamorphic rocks, *Chapter 9*

Comprehensive Final Examination: Friday, May 4th, 10:15 am–12:15 pm.

EXAMINATIONS: There will be **two** lecture tests during the semester and a comprehensive final examination. Each lecture test will be worth **50 points**, the final exam will be worth **100 points (total = 200 points)**, and laboratory exercises and tests will equal **250 points**. Therefore, the total possible points for the course = **450 points**.

Statement on Academic Dishonesty: Academic honesty is expected, and dishonesty will not be tolerated and can lead to expulsion from the College and the University. Both the University and the College have websites discussing this in detail. Uniregs can be found at: <http://www.uwyo.edu/legal/Uniregs/ur802.htm>. The college policy is at: http://www.uwyo.edu/a&s/Appeals_Dishonesty/Guidelines_Dishonesty.

Statement on Learning Disability: If you have a physical, learning, or psychological disability that requires accommodations, please let me know as soon as possible. You will need to register with, and provide documentation of your disability to: University Disability Support Services (UDSS) in SEO, room 330 Knight Hall, 766-6189, TTY: 766-3073.