

Exam Schedule, Weekly Readings [Chapter Number] and Lecture Topics

<u>Week</u>	<u>Chapter</u>	<u>Topic</u>
1	[1]	INTRODUCTION: History, Geologic Structure, Plate Tectonics.
2	[2]	MINERALS: Identification, Chemistry, Crystal Structure.
3	[2]	MINERALS: Silicate Minerals, Mineral Resources.
4	[3]	IGNEOUS ROCKS: Textures, Mineral Content, Resources
5	[4]	IGNEOUS ROCKS: Volcanoes, Plutons, Plate Tectonics
6	[1,2,3,4]	EXAM 1. WEATHERING: Chemical & Clastic Sediments, Soils.
7	[5,6]	SEDIMENTARY ROCKS: Identification, Environment of Formation, Resources.
8	[7]	METAMORPHIC ROCKS: Agents of Formation, Identification, Resources.
9	[11,12]	GLACIATION & HYDROGEOLOGY OF LONG ISLAND
10	[5,6,7,11,12]	EXAM 2. EARTHQUAKES: Seismicity and World Distribution.
11	[16]	SEISMICITY: Earthquakes, Location of Epicenters, Plate Tectonics, Prediction.
12	[17]	EARTH'S INTERIOR: Structure, Isostasy, Geothermometry, Magnetic Field.
13	[19]	PLATE TECTONICS: Integration of Major Course Topics.
14	[16,17,19]	EXAM 3. Scheduled during finals week by Registrar.

Text: "Physical Geology" by Plummer, McGeary & Carlson 2002, 9th Edition, McGraw-Hill, 577 pp.

REGISTRATION:

While only a combined lecture/laboratory grade is reported to the registrar at the end of the semester, "day-time" students must nevertheless register for a section of laboratory in addition to the lecture. You should have two entries for Geology on your validated bill. This ensures that grades earned in the laboratory are transferred to the lecture instructor for inclusion in the overall semester course grade. Failure to attend a laboratory will result in **no grade** for the course.

ATTENDANCE:

We are required to monitor student attendance for several reasons including Federal and State funding which support your education.

EXAMINATIONS:

Three lecture-based examinations are shown in the schedule above. Each exam (including the final) is one hour duration and non-cumulative. Chapter number topics for each examination are shown above. If you miss an examination during the semester you are required to take a longer cumulative comprehensive final exam which includes the normal final exam and the topics of the exam you missed. This latter exam ("make-up") will be two-three hours in duration.

EXTRA HELP AND TUTORING:

Assistance with both lecture and lab assignments is available during business hours in the Geology Department, Gittleston Hall, Room 156. Sample lecture notes and practice exams are available through the Geology Department Web Site. For more information ask your instructor or check the Geology Department Web Site at <http://www.Hofstra.edu/Academics/HCLAS/Geology>

COURSE GRADE:

The three lecture-based exams are averaged and this composes 50% of the semester grade. The other 50% is the evaluations in the laboratory. We encourage you to monitor your course grade. There should be no negative surprises at the end of the semester.

STAFF E-MAIL ADDRESSES:

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Dr. J.B. Bennington (GEOJBB)
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Dr. C. Merguerian (GEOCMM)
Dr. D. Radcliffe (GEODZR)

Homework Reports [R], Laboratory Practicums [P], and Laboratory Exercise Topics.

<u>Wk</u>	<u>Due</u>	<u>Topic</u>
1		LABORATORY SAFETY: Size, Shape, Density of Planet Earth.
2		PHYSICAL TESTING: Identifying Properties of Natural Minerals.
3		MINERAL IDENTIFICATION: Determine the Properties and Names of Minerals.
4	[R1,P1]	MINERAL IDENTIFICATION PRACTICUM. INTRO. TO ROCK TYPES.
5		PLUTONIC AND VOLCANIC ROCKS: Texture & Mineral Compositions.
6		SEDIMENTS AND SEDIMENTARY ROCKS: Texture & Mineral Compositions.
7		METAMORPHIC ROCKS: Texture & Mineral Composition.
8		ROCK IDENTIFICATION: Integrated Textural & Mineralogical Evaluation.
9	[R2,P2]	ROCK IDENTIFICATION PRACTICUM. TOPOGRAPHIC MAPS: Compass.
10		TOPOGRAPHIC MAPS: Direction, Distance, and Position.
11		TOPOGRAPHIC MAPS: Height, Slope, and Profiles.
12		EARTHQUAKE STUDIES: Location of Epicenters, Isoseismal Maps.
13	[R3,P3]	FINAL LABORATORY PRACTICUM. Based on Map Studies. Submit Photoessay.

Laboratory Manual: "GEOLOGY Lab Manual" by Bennington & Merguerian, 5th Edition, 2003, 185 pp.

LABORATORY SAFETY: All regulations must be followed. No food or drinks allowed in laboratory.

LABORATORY MANUAL: Packaged with the textbook.

LABORATORY TEST KITS: Provided by the Geology Department.

REPORTS [R1,R2,R3]:

The homework reports must be word processed, double spaced, 12 point font with 1inch margins. They should be written using complete, grammatically correct sentences and must contain no typographical or spelling errors. The reports are due at the beginning of the laboratory as shown above. Grading of the reports will be based on the use of English grammar, the format and quality of presentation, evidence of library investigations, data compilation, scientific observations, deductions, and interpretations.

LATE REPORTS [R]:

Homework reports submitted one week late will be penalized one grade point (i.e. a "B+" becomes a "C+"). Reports more than one week late, but submitted by **Dec. 10th** will be **assigned 50%**.

Missing work may **not** be submitted after **Dec. 10th** and will be **assigned 0%**.

PRACTICUM MAKE-UP POLICY [P]:

No make-up examinations are given for practicums. Any missing grades will be **assigned** as follows: the lower of 50%, or 10% lower than the lowest earned class grade in that practicum.

EXTRA HELP AND TUTORING:

Geology tutors are available in Gittleston Hall, room 135. Laboratory materials such as mineral and rock specimens and maps are also available for study. A schedule of geology tutor availability will be posted. Check the Geology Department Web Site at <http://www.Hofstra.edu/Academics/HCLAS/Geology>

LABORATORY GRADE:

This is calculated by averaging the three written homework reports [R] with the three practicums [P]. This average can be improved by participation in our voluntary field trip and submitting a photoessay, that is normally graded "A" or "B". The photoessay grade replaces your lowest earned laboratory grade in a practicum [P]. Please note that the photoessay grade will not replace an **assigned** grade.

FIELD TRIP:

The field trip is scheduled for **Saturday, Oct. 30th**, from 8 am. to 4 pm. and examines the geology of Long Island, Orchard Beach (N.Y.C.), and the Wachung lava flows (N.J.). Your report will be a photographic essay. A disposable camera is perfectly adequate and you are not judged on the quality of your photography. Students must register with their laboratory instructors before the end of the third laboratory class so that we can reserve enough buses to transport the group. The buses are provided free of charge but you must provide your own lunch and camera. We will stop at Burger King for lunch and restrooms.