

GEOLOGY 1602 Section 1
2020 Spring Syllabus
Lab Room: E208 Howe-Russell
10:30am – 01:20pm

Instructors (Teaching Assistants)

Eric (Zelong Zhang)
zelong@lsu.edu
Howe Russell E145 (new building)
Friday 12-2PM (except for holidays) or by appointment

Course Coordinator for Geology 1602:

Dr. Amy Luther
aluther@lsu.edu
Office hours: By appointment only

* Dr. Luther is the course coordinator only. The instructor listed above does all teaching, grading, and decision making related to the functioning of this course. Dr. Luther should be contacted only in the case of issues that cannot be resolved between the student and instructor. The signature of Dr. Luther will be required on all Add/Drop forms and other paperwork related to this course.

If emailing the instructor questions or concerns addressed in the syllabus or posted on Moodle, do not expect a response. If the email inquiry is regarding course materials or an upcoming lab, please expect a response before the lab meeting time. If the email inquiry is regarding an excused absence, please expect a response within a week from the sent email date.

Required Materials

Custom Lab Manual: *Historical Geology GEOL 1602 Louisiana State University*, McGraw Hill, 2013. ISBN-10: 1121744559 ISBN-13: 97881121744554.

NOTE: Used manuals are NOT acceptable.

Note on Course Prerequisites

Enrollees in this course are assumed to satisfy the prerequisites for Geology 1602 as stated in the *LSU General Catalog*: “credit in GEOL1601; credit in, or current enrollment in GEOL 1003.”

Note on course credit and expected workload

LSU policy grants one semester hour of credit for every hour of (weekly) meeting time for *lecture* courses, and one hour of credit for *labs* meeting for three hours or less per week. As a general rule, students are expected to spend two to three hours per credit working outside of class. Work outside of this class will consist of pre-lab reading as well as studying for quizzes/tests.

Lab work

All lab work must be completed by the end of the lab period.

Attendance, late work, and makeup work

Class attendance is the responsibility of the student. The student is expected to attend ALL classes. A student who finds it necessary to miss class assumes responsibility for learning the missed material, as well as making up labs, obtaining notes, and otherwise compensating for what may have been missed. Quizzes cannot be made up, as they are tied to in-class participation.

Makeup for lab work and test is available ONLY if student inform instructor his/her absence ahead of time, as well as have valid excuse. In order to make-up labs appropriate documentation of an approved absence must be provided. If you are unable to attend the designated make-up lab, the work cannot be made up. If you miss an exam, you must coordinate with the instructor or seek approval to make-up the exam during the designated make-up dates (identified in the course schedule). The course instructor will determine the validity of a student's reason(s) for absences and will assist those students who have valid reasons. Valid reasons for absences as defined by LSU (PS-22) are as follows:

1. Illness
2. Serious family emergency
3. Special curricular requirements such as judging trips or field trips
4. Court-imposed legal obligations such as subpoenas or jury duty
5. Military obligations
6. Serious weather conditions
7. Religious observances. See the interfaith calendar website (www.interfaithcalendar.org) for an updated calendar of holidays and primary holy days of the various religions. Faculty members are expected to be sensitive to the different religious traditions represented in the LSU community, and to assist students in making up examinations or other assigned work that may be missed due to absences required by religious observances.
8. Participation in varsity athletic competitions or university musical events

Disability

Any student with a documented disability needing academic adjustments is requested to speak directly to the Office of Disability Services and the course coordinator (Dr. Amy Luther), as early in the semester as possible. All discussions will remain confidential. See PS-26. Information on auxiliary aids and services provided for registered ODS students are available through ODS: 112 Johnston Hall; 225-578-5919; <http://appl003.lsu.edu/slas/ods.nsf/index>.

Academic Integrity

Working on lab assignments in pairs (and sometimes small groups) is the norm in this class, but you are still expected to do your own work. Some questions may require a numerical or brief answer that will, by design, be the same for everyone, but most require some explanation and interpretation. Discuss answers and write them in your own words; do not simply copy your partner's answers verbatim. All quizzes and tests are individual efforts. Incidences of academic dishonesty will be dealt with in accordance with the Student Code of Conduct. Academic misconduct is outlined in Sec. 8.1 of the LSU Code of Student Conduct <http://www.lsu.edu/judicialaffairs/code.htm>.

Classroom Policies

The use of cell phones for calling, texting, or other purposes is NOT permitted. Turn off all ringers before class begins. Laptops, newspapers or work from other classes, other unapproved electronic devices, etc. are NOT permitted; students using such devices will be asked to leave class. You should expect to be in the lab for the entire class period. There will be a quiz at the beginning of each lab session, so you should plan to arrive at class on time.

Grading:

<p><u>Quizzes:</u></p> <p>Ten (10) in-class quizzes will be given at the beginning of each lab period.</p> <p>Quizzes will encompass subject matter in the pre-lab reading assignments and/or material from the previous lab.</p>	<p>10 quizzes at 2 points each = 20 points 20% of your total grade</p>
<p><u>Lab Assignments:</u></p> <p>Labs will be collected at the end of the period each week and returned the following week. Lab work must be completed in lab.</p> <p>Absent students are still responsible for learning/covering any material missed.</p>	<p>10 labs at 4 points each = 40 points 40% of your total grade</p>

<p><u>Exams:</u></p> <p>A total of three (3) exams will be given during the semester. The third (or final) exam will be comprehensive.</p> <p>Only the two highest scores will be counted and converted into percentile rank. To gain maximum points, you need to attend at least two exams. You will be notified the first two exam results prior to the week of the third (or final) exam.</p>	<p>2 intersession exams (exam 1 and 2) 1 cumulative exam (exam 3) 40% of your total grade</p>
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Letter grades will be assigned from the final numerical score according to the scale below:

Letter	Min%	Max%
A+	97	100
A	93	96.99
A-	90	92.99
B+	87	89.99
B	83	86.99
B-	80	82.99
C+	77	79.99
C	73	76.99
C-	70	72.99
D+	67	69.99
D	63	66.99
D-	60	62.99
F	0	59.99

This syllabus is subject to change throughout the semester.

Lab Schedule:

You must read the “pre-lab reading” assignment *prior* to the lab each week. You will have a quiz at the start of each lab period consisting of materials from the pre-lab reading and the previous lab (except week 1). Your lab assignments will consist of materials from the lab manual as well as occasional handouts from your instructor.

The instructor reserves the right to make changes in the class and schedule during the semester as necessary for the smooth functioning of the class.

Date	Lab	Lab Topic(s)	Pages
Jan 21	1	Introduction to Sedimentary Rocks Textural Clues to the History of Sediment	5-22
Jan 28	2	Fossils and Their Living Relatives: Protists, Sponges, Corals, Bryozoans, and Brachiopods Mollusks, Arthropods, Echinoderms, Graptolites, and Plants	23-87
Feb 4	3	Ancient Sedimentary Environments	88-101
Feb 11	4	Tectonic Settings	102-113
Feb 18		<i>Exam 1: Labs 1-3</i>	
March 3	5	Age Relations and Unconformity Rock Units and Time-Rock Units	114-140
March 10	6	The Advance and Retreat of Ancient Shorelines	141-148
March 17	7	Fossil Indicators of Age, Environment, and Correlation	149-164
March 31		<i>Exam 2: Labs 4-6</i>	
April 7	8	Sea-Floor Spreading and Plate Tectonics Igneous Rocks	181-200
April 14	9	A Brief Survey of the Vertebrates	165-180
April 21	10	Synthesis: Global Climate Change & Mass Extinctions	
April 28		<i>Exam 3: Labs 1-10</i>	

Make-up exam schedule: Make-ups will be held the Friday of any test week at 3:00 pm unless otherwise specified. The student must provide the appropriate documentation of an excused absence and is responsible for coordinating the make-up exam date/time with the instructor.