



مركز الاعتماد
وضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name:
General Geology
0305101

1	Course title	General Geology
2	Course number	0305101
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3 lectures (1 hour each)
4	Prerequisites/corequisites	None
5	Program title	BSc. in Environmental and Applied Geology
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Science
9	Department	Geology
10	Level of course	First Year
11	Year of study and semester (s)	Offered in Spring, Fall, and Summer semesters. The course is mandatory for students at the School of Science. For students majoring in Geology, it must be taken in their First semester in the program.
12	Final Qualification	
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English references, textbooks and exams / Lectures are delivered in Arabic and English.
15	Date of production/revision	Spring 2017

16. Course Coordinator:

Mrs. Rima Yaghan

17. Other instructors:

Prof. Dr. Bilal Amireh; Prof. Dr. Fathi Shaqour; Dr. Najel Yaseen; Dr. Betty Saqarat; Dr. Hind Ghanem

18. Course Description:

This is an introductory course with no college-level prerequisites. It is a prerequisite for the Environmental Geology Course and the Practical Geology lab in the Geology program. This course covers the majors topics in physical geology including (but not limited to): the scientific method, plate tectonics, minerals, rocks and their formation processes, solid earth processes, natural disasters, surface processes, climate change, and geologic time.

19. Course aims and outcomes:

A- Aims: *This Course provides a base of general earth science knowledge, which would help the student, better understand the natural world of which we are an inseparable part.*

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to:

To learn 'facts' about physical geology, such as the age of the Earth, the rates at which the tectonic plates move across the Earth's surface, and the sizes of rock particles carried by rivers flowing with different velocities.

To demonstrate understanding of the meaning and significance of these facts, such as the ways in which plate motions can produce mountain ranges and earthquakes, and the situations under which running water or wind will tend to erode or to deposit particles.

To be able to apply this information to new situations, such as using concepts of river dynamics to interpret features preserved rocks that one may encounter and thus determine the nature of the Earth's surface when the rock was formed.

To participate meaningfully in public discussion of geoscience issues correctly using the methods and data of science

20. Topic Outline and Schedule:

Week	Topic	Reading
1	Introduction	Introduction in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
2	Minerals	Chapter 1 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
3	Rocks	Chapter 2 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
4	Mass-wasting, Water Cycle	Chapter 3 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
5	Running Water	Chapter 3 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
6	Groundwater	Chapter 3 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
7	Introduction to Glaciers and deserts	Chapter 4 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
8+9	Plate Tectonics	Chapter 5 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
10	Earth Structures and Mountain Building	Chapter 6 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
11	Igneous Activity	Chapter 7 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
12	Geologic Time	Chapter 8 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
13	Oceans	Chapter 9 + 10 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
14	Clouds and precipitation	Chapter 11 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.
15	The Atmosphere	Chapter 12 in: Foundations of Earth Science / Lutgens and Tarbuck, seventh edition, 2014.

21. Teaching Methods and Assignments:

The class meets three times per week (S, T, Th) or twice (M, W). The material is presented in PowerPoint presentations along with explanation and illustrations on the whiteboard. Students have the assigned textbook as the main reference, and they should take notes during class. Students are encouraged to be an active part of the lecture by asking them questions and giving them the freedom to ask questions, so their participation is an essential part of the lecture.

22. Evaluation Methods and Course Requirements:

Exams (First 30%, Second 30%, Final 40%).

Final grades are given based on a scale that may vary between different semesters. Here is a suggested scale for guidance:

0-39	F	40-44	D-
45-48	D	49-52	D+
53-56	C-	57-60	C
61-66	C+	67-71	B-
72-75	B	76-79	B+
81-86	A-	87-100	A

23. Course Policies:

A- Attendance policies:

Missing 15% or more of the lectures and labs with or without an officially accepted excuse will result in getting absence fail grade and the student will need to re-enrol in the lab when it is next available.

B- Absences from exams and handing in assignments on time:

- ONLY if the student shows a proof of an emergency and compelling accepted excuse, a makeup exam will be given.

C- Health and safety procedures:

NA

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

The regulations of the university will be applied.

E- Grading policy:

See section 22.

F- Available university services that support achievement in the course:

NA

24. Required equipment:

Chalk or white board, data show projectors.

25. References:

A- Required book (s), assigned reading and audio-visuals:

Required textbook: Foundations of Earth Science / by Lutgens and Tarbuck, seventh edition, 2014. Pearson Education.

B- Recommended books, materials, and media:

Any other general geology or physical geology book.

26. Additional information:

NA

Name of Course Coordinator:

Signature:

Date:

19/4/2017

Head of curriculum committee/Department: ----- Signature:

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

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Dean: ----- -Signature: -----

Assurance

Copy to:
Head of Department
Assistant Dean for Quality

Course File