

[Physical geology] Syllabus

[Semester1 2018-2019]

Instructor Information

Instructor: Prof. Amer Ali Ghabra Email: 9amer.gh@gmail.com

Office Location & Hours

- lab of the geology and exploration, 10-14, Saturday
- lab of the geology and exploration, 17-19, Sunday.

General Information

Description

- The course discuses the following topics: The Earth in the universe, the movement of continents and plat tectonic, the deforming of the continental crust, and the forming of the folds and faults, the earthquakes, the volcanic event, the geological act of the: wind, running water, seas, lakes, swamps, groundwater, and glacial.

Expectations and Goals

The course aims to make the students have knowledge about the:

- 1- Galaxies, solar system, asteroids, comets, meteoroids.
- 2- The movement of the continents and the theory of the plate tectonic.
- 3- The earthquakes **and** the volcanic event.
- 4- the geological act of the: wind, running water, seas, lakes, swamps, groundwater, and glacial

Language(s) of Instruction: Arabic

Textbook(s) Language(s): Arabic and English.

Course Materials

The main reference book: Ghabra. Amer Ali. 2009. The general geology (in Arabic). Damascus university, the Faculty of Sciences.

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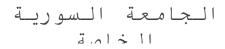
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Additional reference: Edward J, Tarbuck; and Frederick K. Lutgens. 2006. Earth Science. New Jersey.

	Week	Topic	Reading	Exercises
1	23/9/2018	The universe, galaxies, and the	The general geology ₍	
		solar system	Ch.1)	
2	/9/201830	The asteroids, comets,	The general geology(
		meteoroids, and the hypotheses		
		of the origin of the solar system		
3	7/10/2018	Hypothesis of the movement of	 f	
		the continents, Pangaea	i	
		departing stages	L	
4	14/10/2018	The theory of the plate tectonic	/	
		II Co IERS		
5	/10/201821	The sedimentary stratums and	The general geology(Ch.8	
		the folds and faults.)	
		the folds and faults.		
6	28/10/2018	The earthquakes.	The general geology(Ch.9	
11.	· O	4h,)	
7	4/11/2018	The volcanic event	The general geology(
	21,		Ch.10)	
8	11/11/2018	The geological act of the seas,	The general geology(
			Ch.14)	
9	18/11/2018	The geological act of the lakes,	The general geology(
		_	Ch.14)	
		and swamps.		
10	25/11/2018	The geological act of the	The general geology(
		-	Ch.13)	
		running water	•	
11	2/12/2018	The geological act of the	The general geology(Ch13	
		-)	
		running water(continuing)	,	

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	Week	Topic	Reading	Exercises
12	9/12/2018	The geological act of the ground	0 0, 1	
		water	Ch.15)	
13	16/12/2018	The geological act of the wind	The general geology(
			Ch.12)	
14	23/12/2018	The deserts	The general geology(
			Ch.12)	
15	30/12/2018	The geological act of the glacial	The general geology(
		1/2	Ch.16)	

Testing Schedule

test	Date	Reading	Type	language	% of final grade
Quiz 1	29/10/2018	Topics 1-6	written	Arabic	5%
Quiz	10/12/2018	Topics 7-12	written	Arabic	5%
final	12/1/2018	All topics	written	Arabic	60%

General notes:

- 5% activities
- 25% for the practice part