



King Saud University



College of Science



Geology and Geophysics Department.

Paleoecology (GEO 342)

First Semester

Academic Year 1436- 1437H (2015 – 2016)

Instructor: Dr. Osama Attia

Contact Informations:

Room #: 1A7/2 and AB62..... Office Telephone: 4697325 – 4676349

E-mail: oattis@ksu.edu.sa

Office Hours: All Working days from 12 am to 2 pm

Contributor: Abdallah Elmesfir

Contact Informations:

Course contact hours per week

Lectures: Two hours /week - Class Room: AB80/1 – Sunday and Tuesday from 01:00 to 01:50 PM - Geo. & Geophy. Dept.
Building 4

Laboratory: **Two hour** /week – Class Room: Arranged with the contributor Geol. & Geoph. Dept.

Schedule of Assessment Tasks for Students During the Semester			
Assessment	Assessment task (eg. essay, test, examination etc.)	Week due	Proportion of Final Assessment
1	1 st Midterm Exam	7	15
2	2 nd Midterm Exam	15	15
3	12 lab reports	12	5
4	1 st lab exam	7	5
5	2 nd lab exam	13	5
6	Final lab exam	15	15
8	Final exam	15	40
Total Degree			100

Grade scale: 95% and up = A⁺; 90-94 = A; 85-89 = B⁺; 80-84 = B;

75-79 = C⁺; 70-74 = C; 65-69 = D⁺; 60-64 = D; <60% = F;

Absence 25% or more from both Lec. & Lab. = DN.

ATTENDANCE

Attendance is required. Please feel free to ask questions at any time, including during lecture or lab.; however, disruptive behavior, including talking during lecture & text messaging, is not acceptable and **will result in a lower course grade**. If you have a valid excuse and must miss an exam, contact me **BEFORE** the exam date. If you have a valid excuse, you may take a makeup exam.

Course Objectives:

Identify and explain major concepts in paleoecology. Investigate essential principles regarding the biotic and abiotic factors affecting modern environments.

LECTURES:

Topics to be Covered (Lecture)		
Topic	No. of Weeks	Contact hours
1. The nature and classification of environments	2	4
2. Comparison with living representatives	4	8
3. Evidence of biological activity and associated sediments	1	2
4. Lateral and vertical variations	1	2
5. Geological distribution of assemblages	1	2
6. Trace fossils	2	4
7. Biodiversity	2	4
8. Environmental changes through geologic time	1	2

Source of Knowledge:

- Dodd, J. R. and R.J. Stanton (1990): Paleocology: Concepts and applications.- Wiley Interscience. (2nd ed.).
- Boardman, R. S., A. H. Cheetham and A. J. Rowell. (1987): Fossil Invertebrates.- Blackwell Scientific Publications, 713p.
- Clarkson, E. N. K. (1994): Invertebrate Paleontology and Evolution.- George Allen & Unwin. (3rd Ed.).

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N.B.:

- ♣ - 2nd semester course starting date on Sunday. 8/11/1436H corresponding to 23/8/2015.
- ♣ - 1st Semester Mid Term Exam will be on 28/12/1436H – 11/10/2015.
- ♣ - Eid Adha vacation will start by Thurs. 5/12/1436 – 18/9/2015.
- ♣ - Commencing date of the Second semester session will be on Thursday 16/10/1436 – 29/9/2015.
- ♣ 2nd Semester Mid Term Exam will be on 24/2/1437H – 6/12/2015.
- ♣ Final Exam of the course according to the Faculty Schedule.