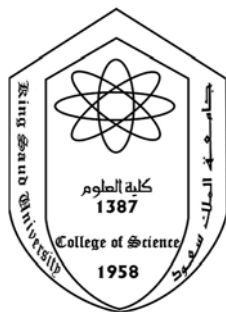


King Saud University
College of Science
Geology and Geophysics
Department.



جامعة الملك سعود

Environmental Geology (GEO 302)

Academic Year 1431- 1432H (2010 – 2011)

Instructor: Dr. Osama Mohamed Kaoud Kassem

Contributor: Mr.

Room: AB64 Office Telephone: 4676351

Office Hours: All Working days from 11 to 12 a.m

1 Topics to be Covered		
Topic	No. of Weeks	Contact hours
Fundamental concepts of environment	1	3
Environment problems	1	3
Direct reasons for environmental failure	1	3
Natural resources	1	3
Land system	1	3
Natural processes (Endogenetic, Exogenetic)	1	3
Uniformitarianism	1	3
Principle of environmental unity	1	3

Equifinality - Variables law	1	3
Earth materials and processes	1	3
Atmosphere constituents (Troposphere, Stratosphere, Mesosphere, Thermosphere, Exosphere)	1	3
Global climate change	1	3
Soil erosion - Desertification	1	3
Geological hazards: Earthquakes, Volcanic activity, Floods, Torrents, Land sliding	1	3
Pollution of water, atmosphere and soil	1	3

Schedule of Assessment Tasks for Students During the Semester			
Assessment	Assessment task (eg. essay, test, group project, examination etc.)	Week due	Proportion of Final Assessment
1	1st exam	After the 6 th week	10%
2	12 lab reports	Weekly	6%
3	Mid-term exam	After the 10 th week	10%
4	1st lab exam	After the 6 th week	12%
5	2nd lab exam	Last week	12%
6	Final exam	As per university schedule	50%

Text Books- References:

- **Boktin, D., and E. Keller (2000): Environmental Science**
- **Arms, K.,(1994): Environmental Science**
- **Keller, E., (1999): Environmental geology**

N.B.:

- ♣ *1st semester course starting date on Sat. 16/10/1431 corresponding to 25/9/2010.*
- ♣ *- Al Adha vacation starts on Wed. 4/12/1431 – 10/11/2010.*
- ♣ *- Commencing the semester study session by Mon. 16/12/1432 - 22/11/2010.*
- ♣ *- 1st semester exams will start on 18/2/1432 – 22/1/2011.*
- ♣ *- Med year vacation will start by Wed. on 29/2/1432 -2/2/2011.*
- ♣ *- Commencing date of the Second semester session will be on Sat. 9/3/1432 -*