

KING SAUD UNIVERSITY
College of Science

Department of Geology and Geophysics



جامعة الملك سعود
كلية العلوم
قسم الجيولوجيا والجيوفيزياء

GEO 598: Geologic Seminar

Course Specification

Revised January 2012



Course Specification

Institution: King Saud University
College/Department: College of Science – Department of Geology.

A Course Identification and General Information

1. Course title and code: Seminar Geology- GEO 598
2. Credit hours: 1 hour
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) M. Sc. program in Geology.
4. Name of faculty member responsible for the course Dr. Osama El-Sayed Ahmed Attia
5. Level/year at which this course is offered :
6. Pre-requisites for this course (if any) :
7. Co-requisites for this course (if any)
8. Location if not on main campus

B- Objectives

1. Summary of the main learning outcomes for students enrolled in the course. - This Course is intended to provide some advice to the student on how to write good reports or topics on different aspects of geology. - Demonstrate the ability to present scientific materials.
2. Briefly describe any plans for developing and improving the course that are being implemented. (eg increased use of IT or web based reference material, changes in content as a result of new research in the field) - The course content will be periodically reviewed by the instructor and the undergraduate committee as and when necessary.

C- Course Description (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

1. Topics to be Covered		
Topic	No of Weeks	Contact hours
- All topics will be selected and presented by students.	15	15
- For this course, students will prepare a 30 minutes talk. This leaves time for scientific discussion and constructive criticism of presentation style and graphics.		

2. Course components (total contact hours per semester):			
Lecture: 15 lectures	Tutorial:	Practical/Fieldwork	Other: oral Presentation

3. Additional private study/learning hours expected for students per week. (This should be an average: for the semester not a specific requirement in each week): students are expected an average of 5 learning hour per week, including discussion and oral Presentation. Also, He required to give a written handout for the presentation

4. Development of Learning Outcomes in Domains of Learning. For each of the domains of learning shown below indicate: <ul style="list-style-type: none"> • A brief summary of the knowledge or skill the course is intended to develop; • A description of the teaching strategies to be used in the course to develop that knowledge or skills; • The methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned.
a. Knowledge
(i) Description of the knowledge to be acquired <ul style="list-style-type: none"> -The student is expected to acquire knowledge in methods and procedures of selecting topics and how to present orally a good talk in geology. -The student learns how to write a scientific report on a certain topic.
(ii) Teaching strategies to be used to develop that knowledge <ul style="list-style-type: none"> - Teaching will be conducted through discussion and presentation of student's talks. Also, reviewing the handout and make the suitable correction and return back to the student.
(iii) Methods of assessment of knowledge acquired: <ul style="list-style-type: none"> -Assignments of talks, selecting topics and discussions are used to assess the acquired knowledge on the subject.
b. Cognitive Skills
(i) Cognitive skills to be developed: <ul style="list-style-type: none"> - Students will be able to understand the methods and procedures of selecting and presenting effectively talks in geology. - Student will be able to write a scientific report in a appropriate way.
(ii) Teaching strategies to be used to develop these cognitive skills <ul style="list-style-type: none"> -Assignments of talks are given to students at require intervals. -Participation of students in classroom discussions. -Late or no submission of assignments will be considered.
(iii) Methods of assessment of student's cognitive skills: <ul style="list-style-type: none"> -Classroom discussions. -Handout Correction.
c. Interpersonal Skills and Responsibility
(i) Description of the interpersonal skills and capacity to carry responsibility to be developed <ul style="list-style-type: none"> - Punctual attendance of classes is required of the students. - Students learn to manage their time in self study of the course material.
(ii) Teaching strategies to be used to develop these skills and abilities <ul style="list-style-type: none"> - Teaching will be conducted through discussions and oral presentation. - Corrections of handouts.

(iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility - Methods include topics selected and oral presentation
d. Communication, Information Technology and Numerical Skills
(i) Description of the skills to be developed in this domain. - Use of computer to producing reports and assignments. - Ability to write reports and presenting talks.
(ii) Teaching strategies to be used to develop these skills - Writing topics on interesting subjects in geology. - Discussions of oral presentations of the students. - Handouts of each selected subject.
(iii) Methods of assessment of students numerical and communication skills - Evaluation of written topics. - Through students score in all assignments and oral presentations.
e. Psychomotor Skills (if applicable)
(i) Description of the psychomotor skills to be developed and the level of performance required - Not applicable.
(ii) Teaching strategies to be used to develop these skills -----
(iii) Methods of assessment of students psychomotor skills -----

5. 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	- Assignments	-	- 20%
2	- Attendance and participation	-	- 20%
3	- Presentation and discussions	-	- 60%

D. Student Support

- Arrangements for availability of faculty for individual student** consultations and academic advice. (include amount of time faculty are available each week)
- Each faculty is required to be available in his office to devote at least 2 hours a week for students' consultation and academic advice.

E. Learning Resources

1. Required Text(s) :
2. Essential References:
3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List) -----
4- Electronic Materials, Web Sites etc - - Search through Google for related topics

5- Other learning material such as computer-based programs/CD, professional standards/regulations
<ul style="list-style-type: none"> - The instructor will provide some relevant materials and learning aids.

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (ie number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Lecture rooms, laboratories, etc.) <ul style="list-style-type: none"> - Lecture room equipped with a blackboard, overhead projector , and internet connection.
2. Computing resources <ul style="list-style-type: none"> - An easily accessible computer lab.
3. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach list) <p>-----</p>

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching
<ul style="list-style-type: none"> - Student course evaluation at the conclusion of the course
2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department
<ul style="list-style-type: none"> - Faculty assessment of the course and effectiveness of teaching delivery. - Periodic self- assessment of the program.
3 Processes for Improvement of Teaching
<ul style="list-style-type: none"> -Undergraduate committee will review deficiencies based on the student evaluation, faculty input, course file, and program assessment. -Feedback from employers and graduating students' input are used to identify any deficiencies in students' ability in applying mineral optics knowledge. -Organize workshop on effective teaching methods to enable instructors to improve their teaching skill. -Teaching method will focus on students' learning and on course learning outcomes

- 4 Processes for Verifying Standards of Student Achievement (eg. check marking by an independent faculty member of a sample of student work, periodic exchange and remarking of a sample of assignments with a faculty member in another institution)

-Undergraduate committee will review samples of student work in this course to check on the standard of grades and achievements.

- A faculty member from a reputable university will evaluate the course material and the students' work to compare the standard of grades and achievements with those at his university. This evaluator will also comment on the laboratory facilities and the adequacy of the equipment used in the lab.

- 5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

- Self- assessment at every two years and the external assessment by the invited faculty member at every four years will be carried out. The feedback received from these assessments will be used to plan for further improvement in the course syllabus, teaching method, and delivery of course materials.