جامعة الملك سعود
كلية العلوم
قسم الجيولوجياوالجيوفيزياء

King Saud University
College of Sciences
Geology and Geophysics
Department

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

Form (O)

Course Specification

GEO 392: Geologic Reports

Revised April 2011

KING SAUD UNIVERSITY
College of Science

Department of Geology and Geophysics

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كليــة العلوم

قســم الجيولوجيا والجيوفيزياء

Course Specification

Institution **King Saud University**
College/Department **College of Science / Department of Geology and Geophysics**

A Course Identification and General Information

1. Course title and code: **Geologic Reports - GEO 392**
2. Credit hours **1(1+0+0)**
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) **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 **Level 6**
6. Pre-requisites for this course (if any) **GEO 236**
7. Co-requisites for this course (if any) **None**
8. Location if not on main campus

B Objectives

1. Summary of the main learning outcomes for students enrolled in the course. **Provide the students with the mandatory rules and skills in writing geologic report.**
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) • **Electronic materials will be utilized to support the lecture course material.**

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

Topics to be Covered (Lecture)		
Topic	**No. of Weeks**	**Contact hours**
1. Preparation.	1	(1+0+0)
2. Revising and Editing. 3. Layout. 4. Introduction (location – accessibility – climate). 5. Previous work. 6. Aims (Objectives).	3	(3+0+0)
7. Methodology.	1	(1+0+0)
8. Main Body of the Report (geomorphology - stratigraphy – structure – rock types).	6	(6+0+0)
9. The 'Conclusions and recommendations.	2	(2+0+0)
10. References.	1	(1+0+0)
12. Appendices. 13. Some Final Thoughts.	1	(2+0+1)

2 Course components (total contact hours per semester):	
Lecture: **15 hrs/semester** **1 hr/week**	

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)

4. Development of Learning Outcomes in Domains of Learning
For each of the domains of learning shown below indicate:
- 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 skill;
- 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 • Present and produce a coherent report in an organized form
(ii) Teaching strategies to be used to develop that knowledge • In-class lecturing
(iii) Methods of assessment of knowledge acquired • Presentations • Report writing • Assignments and homework
b. Cognitive Skills
(i) Cognitive skills to be developed • Prepare professional and technical written reports, and research papers.
(ii) Teaching strategies to be used to develop these cognitive skills • Homework assignments
(iii) Methods of assessment of students cognitive skills • Checking the problems solved in the homework assignments
c. Interpersonal Skills and Responsibility
(i) Description of the interpersonal skills and capacity to carry responsibility to be developed • Work independently and as part of a team. • Communicate results of work to others.
(ii) Teaching strategies to be used to develop these skills and abilities • Writing group reports. • Presentation.
(iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility • Reports assessment. • Grading homework assignments.
d. Communication, Information Technology and Numerical Skills
(i) Description of the skills to be developed in this domain. • Generate scientific reports. • Manage working in teams.
(ii) Teaching strategies to be used to develop these skills • Writing reports. • Incorporating the use and utilization of computer in the course requirements.

(iii) Methods of assessment of students numerical and communication skills

- Evaluation of the written reports.

e. Psychomotor Skills (if applicable)

(i) Description of the psychomotor skills to be developed and the level of performance required

NA

(ii) Teaching strategies to be used to develop these skills

NA

(iii) Methods of assessment of students psychomotor skills

NA

5. Schedule of Assessment Tasks for Students During the Semester

Assessment	Assessment task (e.g. essay, test, group project, examination etc.)	Week due	Proportion of Final Assessment
1	Homework and assignments	weekly	60%
3	Final Exam.	15	40%

D. Student Support

1. 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 3 hrs/week for student's consultation and academic advices.

E. Learning Resources

1. Required Text(s)
   - **The art and science or writing geoscience reports by Brian Grant, P. Geo**

2. Essential References
   - **Selected handouts and reference materials will be provided as part of course material**.

3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)

4-.Electronic Materials, Web Sites etc
   - **Websites on the internet that are relevant to the topics of the course**

5- Other learning material such as computer-based programs/CD, professional standards/regulations

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Lecture rooms, laboratories, etc.) • **Lecture room equipped with a black board, overhead projector, computer and internet connection.**
2. Computing resources • **Computer Lab**
3. Other resources (specify – e.g. If specific laboratory equipment is required, list requirements or attach list)

G. Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching • **Course evaluation by student.** • **Students- faculty meetings.**
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department • **Peer consultation on teaching** • **Departmental council discussions** • **Discussions within the group of faculty teaching the course**
3. Processes for Improvement of Teaching **a. Undergraduate Committee will review deficiencies based on the student evaluation, faculty input, course file, and program assessment.** **b. Feedback from employers and alumni surveys and graduating students' input are used to identify any deficiencies in students' ability in applying knowledge of properties and the use of structural materials.** **c. Organize workshop on effective teaching methods to enable instructors to improve their teaching skill.** d. **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)
   1. **Undergraduate Committee will review samples of student work in this course to check on the standard of grades and achievements.**
   2. **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.
   - **The course material and learning outcomes are periodically reviewed and the changes to be taken are approved in the departmental and higher councils.**
   - **The head of department and faculty take the responsibility of implementing the proposed changes.**