هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

Course Report

Course Title:	*Mineralogy*
Code:	*GEO 221*
Program:	*Geology*
Department:	*Geology and Geophysics*
Institution:	**College of Science/ King Saud University**
Academic Year:	*1444*
Semester:	*First Semester*
Course Instructor:	*Dr. Bassam A. Abuamarah*
Date:	*22/4/1444/ 2022*

Table of Contents

A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
1	*Dr. Bassam A. Abuamarah*	*Building 4*	89288	*10*	*8*

B. Course Delivery

1. Course Contact Hours (per semester)

No.	Activity	Planned	Actual
1	**Lecture**	*30*	*30*
2	**Laboratory/Studio**	*15*	*30*
3	**Tutorial**	-	-
4	**Others** (Specify)	-	-
Total		45	60

2. Topics not Covered

Topics	Reason for Not Covering	Extent of their Impact on Learning Outcomes	Compensating Action*
No topics are not covered	Nil	Nil	Nil

*Compensating actions already taken or suggested

3. Teaching Strategies

Planned Teaching Strategies	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
• **Course teaching (teaching lectures, discussion, presentations, reading activities and practical training session via virtual class on line**	*		**No- difficulties**	**Encourage students' to optimize their Scientific learning resources .**
• **Assignments and home works were given to students, in order to develop their learning skills and self-motivation of students, Research project, students' Teamwork**	*		***Students English experiences need to enhanced***	***Giving small article to read and then to discuss with them.***
• **To carry out a scheduled plan fieldtrip to the eastern parts of the Arabian Shield. It is aiming to give**		*	**Due to Corona Pandemic, was invalid**	**suggesting to give students learing scientific**

Planned Teaching Strategies	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
students the ability and skill needed as a learning outcome.				**videos were carried out aligned with the course contents and topics**
Lab's Practical session	*		No- difficulties	No- **Actions**
Assignments of a small presented Topics, Students' Team works during lectures classes sessions,	*		No- difficulties	No- **Actions**

4. Activities/Assessment Methods

Activities/Planned Assessment Methods	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
• **Performance-based on assessment (lectures' direct questions, homework, assignment completion, quarterly test)**	√		**No- difficulties**	**None.**
• **Formal research and a written test, and assignment projects, along with practical practice and tests.**	√		**No- difficulties**	**None**
• **To run out a geological field trip to give students the ability and skill needed for covering relevant course contents and information, in order to improve students' the abilities and skills that are needed.**		√	**No- difficulties**	**Therefore, a very related , and selective learning videos were given to students instead.**
Assessment of presented topics, direct observations	*		**No- difficulties**	**Students have to be competent for how to write and read scientific topics.**

5. Verification of Credibility of Students' Results

Method(s) of Verification	Conclusions
• Exam question , home works assignments, formal research were discussed with other faculty members.	Verification was 100%
• Random Exams' questions Samples reviewed by my Colleague.	
• Investigations of the department's academic accreditation unit.	

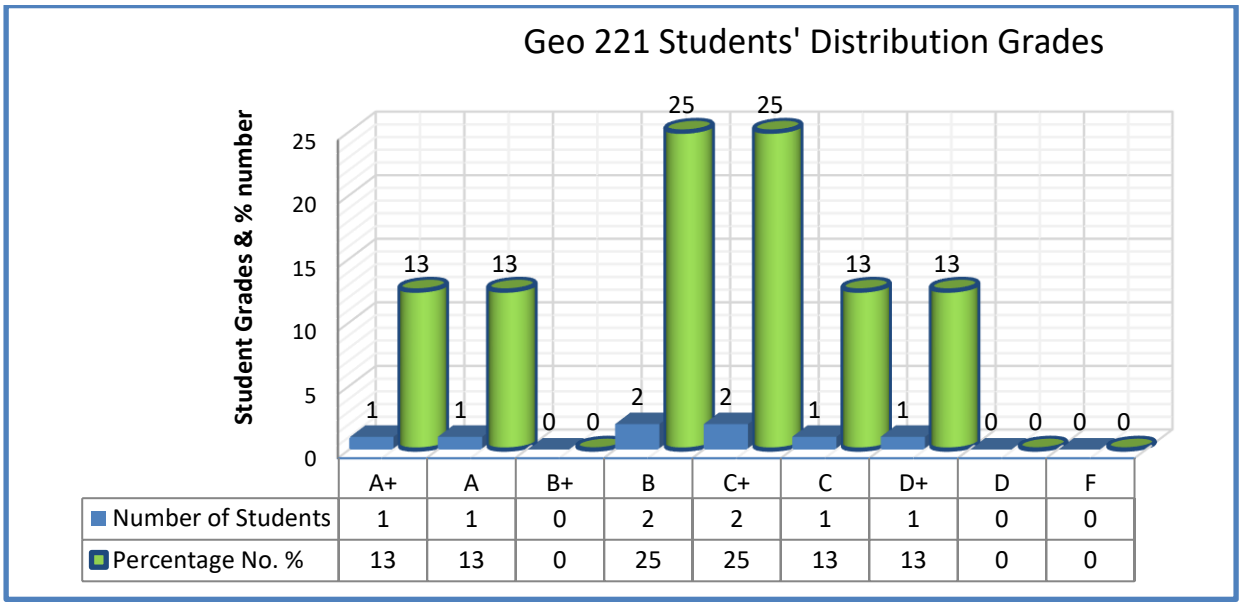
6. Recommendations

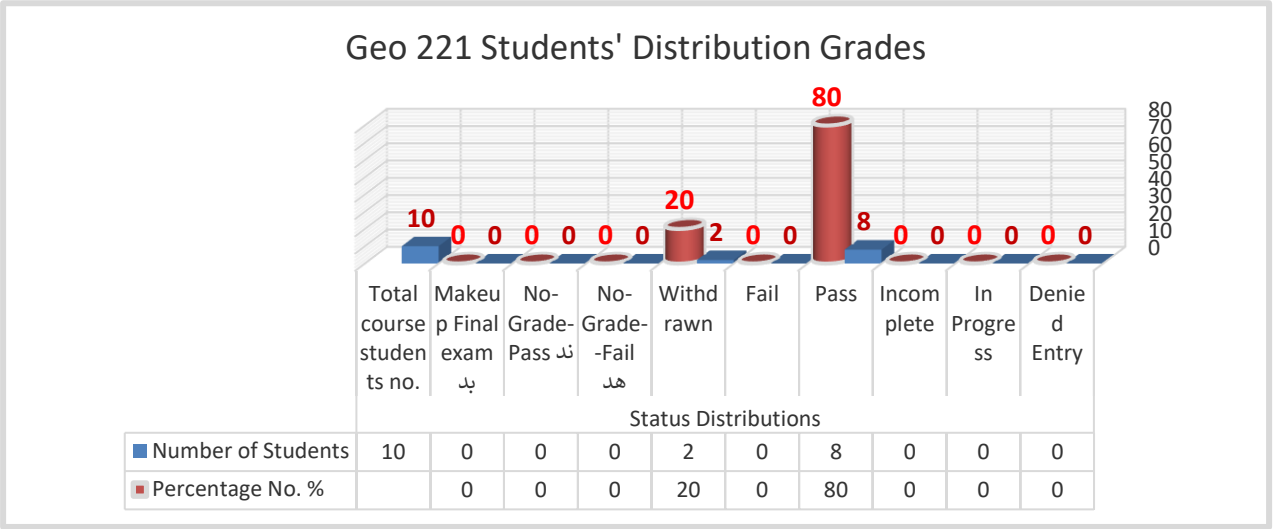
- Exam and model answers, shall be reviewed by colleague according to procedures of academic accreditation unit, in order to verify the credibility of students` results.

C. Student Results

1. Distribution of Grades

	Grades									Status Distributions									
Grades	A+	A	B+	B	C+	C	D+	D	F	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn	No-Grade-- Fail ف	No-Grade- Pass ن	Makeup Final exam	Total course students no.
Number of Students	1	1	0	2	2	1	1	0	0	0	0	0	8	0	2	0	0	0	10
Percentage No. %	13	13	0	25	25	13	13	0	0	0	0	0	80	0	20	0	0	0	





2. Comment on Student Results

- The impact due to the 3 course semesters are being regulated by ministry of Education. Thus, the 1st semester was shortened to be 13 weeks.
- There was only one Midterm exam of 30 marks, practical exam session of 30 marksn and 40 marks of final exam for students easements, so, I fought and insisted to maximized the course achievements'.

3.Recommendations

- Students' shall run more learning tools to accomplish, to optimize their competence and skills.
- Students require to run more practical session and Reading and perusing students on an Atlas of Minerals and Crystal.

D. Course Learning Outcomes

1. Course Learning Outcomes Assessment Results

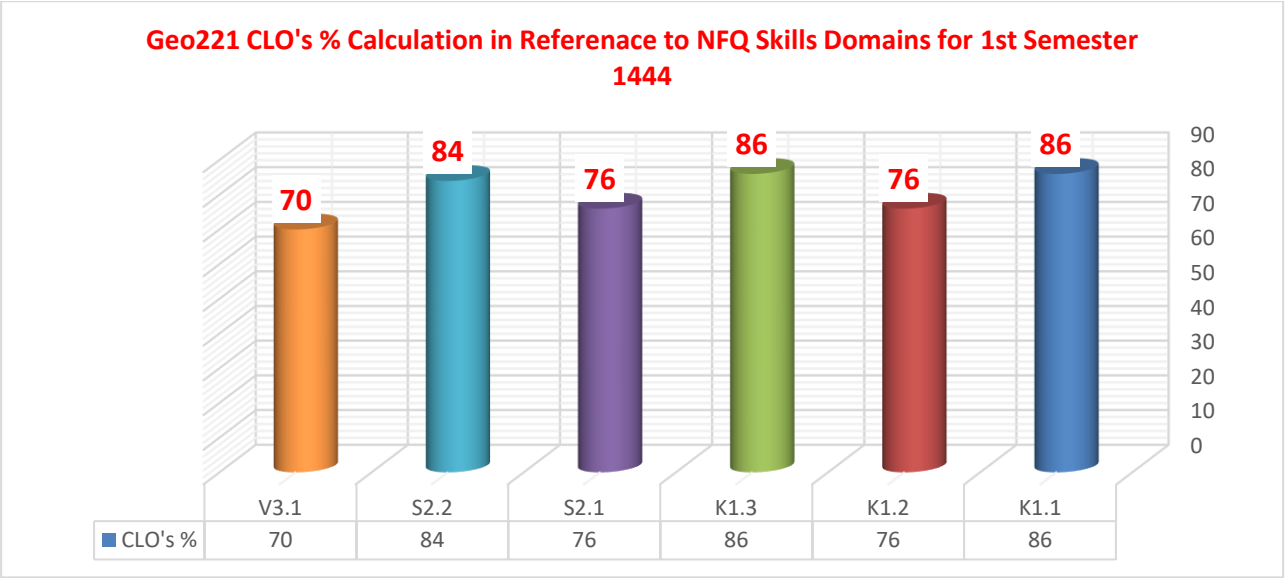
Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
1	**Knowledge and Understanding:**					
K1.1	The course gives a basic knowledge on crystal and mineralogy character.	PLO 1	• Home works. • Formal research • Final exams	Every student must acquire more than 70%	More than 75%	• The minimum CLO has achieved in each student. • Exams, homework and lab reports are used to assess the acquired knowledge on the subject.
K1.2	Teaching is conducted through lectures, practical sessionsand at end's session the					

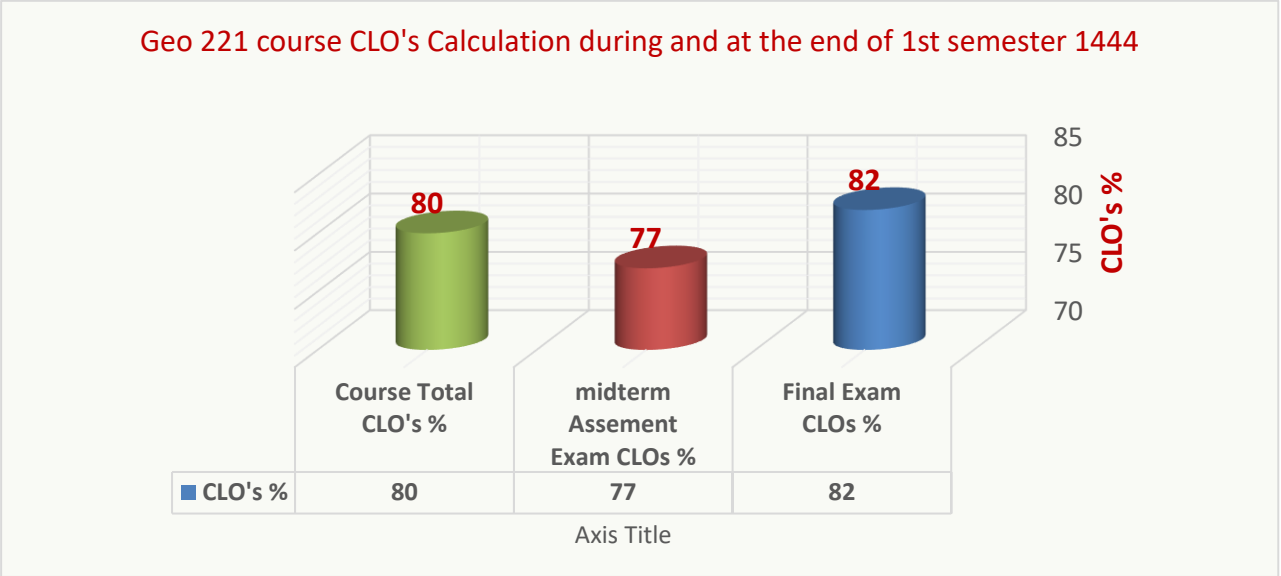
Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
	student shall be able to explain the characteristics, and to identify each rocks type's environmental conditions, and classify them upon their mineral's		• Practical tests Questions and answers throughout virtual class	of this CLO.		• Formal research were given to rate the students' ability of knowledge of the course.
K1.3	Knowledge of the different methods and techniques used in sampling, analysing and identifying of minerals.					
1...						
S	**Skills:**					
S2.1	Students shall be capable and acquainted to apply and differentiate between the chemistry and physics of different minerqls types and to imagine the crystals in 3 dimensions	PLO 2	• Home works. • Formal research • Final exams • Practical tests Questions and answers throughout virtual class	Every student must acquire more than 70% of this CLO.	More than 5%	The minimum CLO has achieved in each student via Exams and homework will be emphasized students capability on differentiate and classify between the minerals, and their resources potentiality.
S2.2	Students shall be capable and acquainted to utilize mineral optical' s and differentiate, and realize the different optical' s and physical properties.					
S2.3	Students shall be capable and acquainted to have Practicing communication skills in speaking/presenting in class and and represent himself.					

Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
2...						
V	**Values:**					
V3.1	**By the end of the semester, the Student should be able to apply and utilize what they taught and learned in the mineralogy course to apply.**	**PLO 3**	**Research project, Team working in practical lessons**	**Every student must acquire more than 65% of this CLO.**	**about 70%**	• **Virtual Class attendance of students at the beginning of the lecture is recoded.** • **Lab, attendance is deliberated and recorded.** • **Submission of assignment and home work is also recorded.** **The minimum CLO has achieved in each student.**
V3.2	**By the end of the semester, the Student shall be learning competence in terms of independence, confidence, responsibility, self-management, teamwork and communication based on arguments.**					
V3.3						
3...						

2. Recommendations

In the next coming semester, the course strategies shall be enhanced to achieve CLO's % more than 70%.





E. Course Quality Evaluation

1. Students Evaluation of the Quality of the Course

Date of Survey: 27/5/2021	Number of Participants:	Percentage of Participation: 68%	Evaluation Result: 80%

Students Feedback	Course Coordinator/Instructor Comments/Response
Strengths: • The course outlines of contents, objectives and course learning outcomes (CLOs) are seen and clearly obvious to students as delineated to at the starting date of the taught semester. • Assessment methods are given numerous help to students to understand the topics. • Instructor is well-acquainted with the subject	• More emphasis will be placed on using various source of information (textbook, web, CD…etc) • Better interaction through the internet is planned out of virtual classes.

• Exam questions are suitable and marking is fair.	• Some aspects of strength will be reinforced.
Areas for improvement: • Inadequate interaction and students' engagement throughout the on line virtual lectures sessions**.** • The reading skills, and to run more assignments are required.	• We will attempt and endeavor to provide articles and assignments.
Suggestions for Improvement: • Students should be able to read out and to utilize different learning resources for improve and to increase their reference knowledge, not only utilizing and depending on lectures' of PowerPoints.	• Students readout articles and hand-outs; related to course objectives; as given to them as assignments.

2. Other Evaluations

(e.g., Evaluations by faculty, program leaders, peer reviewers, others)

Evaluation method :	**Date:**
Evaluator(s) Comments	**Course Coordinator/Instructor Comments/Response**
Strengths: • **It contains modern and the most important knowledge in mineral's types.** • **It has the potential ability for application in the private sector.** • **It involves modern and the most important an updated knowledge of the course contents.**	• Aspects of strength will be covered
Areas for improvement: • **Students require to to utilize and optimize their activities on learning resources. Additionally, to read more articles in relation to the rocks evolution.** • **Students need to wide their knowledge by using the library resources in order not to be fully independent on the lectures' information only.** • **Due to the limited short time of the current course, the more learning resources to by them, the more to define a specific discrete units of knowledge and skilled.** • **To encourage students to to utilize learning resources and to read more articles in relation to the Mineral properities an and evolution.** • **To run the course fieldtrips.**	• **I shall attempt to set most of these improvement areas in attention, and consideration by next semester..**

• To deliberate more lab's sessions are required for improving the outcomes of the course.	
Suggestions for Improvement: - • To encourage students to to utilize learning resources and to read more articles in relation to the Mineral properities an and evolution. • To run the course fieldtrips. • To deliberate more lab's sessions are required for improving the outcomes of the course.	• Students should bay more attention, awareness, and serious attitude during the virtual taught sessions via LMS, that are required to improving their course gripping skills.

* Add separate table for each evaluation

3.Recommendations:

- The lectures' sessions are not enough to perform all the details of the different types and properties of the rocks , therefore, the students' shall be encouraged and promoted to use learning resources (Textbooks, Software, Relevant reading materials, Videos, Recordings and library).
- Draw the students' attention, to the fact, that the evaluation of the taught course enrolled in Edugate website is also related to the practical sessions run throughout the course time session, and it is not only fit the theoretical part of the taught course. Therefore, they should be fair in their course evaluation.

F. Difficulties and Challenges

Difficulties and Challenges	Consequences	Actions Taken
Administrative Issues		
• There are no difficulties and challenges.	Nil	Nil
Learning Resources		
• There are no difficulties and challenges.	Nil	Nil
Facilities		

Difficulties and Challenges	Consequences	Actions Taken
• The rocks' workshop needs to be fixed.	Deficiency in preparing rock's thin section… etc.	The deparment shall fix the rocks' workshops

G. Course Improvement Plan

1. Course Improvement Actions

Recommended Actions	Actions Taken	Results	Comments
a. Previous course Report Recommendations			
• Updating the course basing on the course specification.. • Applying the KPI's ratio 1:20 in order to improve session quality	Done No actions were taken to implement this KPI's ratio.	• The teaching of the course trajectory as planned. The course instructor with more than 20 students encountered for instructor to communicate with each students during teaching session.	The course relatively on line with recent trends of stockholder's demands.
b. Other Improvement Actions*			
• Recent applications of minerals and microscope instrumentation shall be included in lectures and lab sessions		The teaching of the course trajectory as planned.	The course relatively required to be on line with recent trends of an updated electronic course materials.
• More course considerable materials electronically arranged in the purpose of classroom tutoring and used for or in conjunction with a course.			

* (The developmental measures taken during teaching the course and not included in the development plan of it)

2. Action Plan for Next Semester/Year

Recommendations	Actions	Responsibility For Implementation	Time		Needed Support
			Start	End	
1. Carry out extra and various students' home works, written assignments', and presenting small written projects.		Course Director	In week no 2	In week no 14	Department's Head requested to allocate and to verify running course field trip by next semester
2. Controlling the Students' engagement, and encourage them to upgrade their English skill. 3. Refining Lab's extra topics and works to peruse skills		Course Director and the lab official.			
4. More updated references, learning resources and handouts for students' to understand.		Course Director			
5. To run the course's 3 days fieldtrip sessions		Department Head			