

Course Report

Course Title:	Economic Ore Deposits
Code:	450 Geo
Program:	Geology
Department:	<i>Geology and Geophysics</i>
Institution:	College of Science/ King Saud University
Academic Year:	1442
Semester:	Second Semester
Course Instructor:	<i>Dr. Bassam A. Abuamarah</i>
Date:	5/5/2021

Table of Contents

A. Course Identification	3
B. Course Delivery	3
1. Course Contact Hours (per semester).....	3
2. Topics not Covered	3
3. Teaching Strategies	3
4. Activities/Assessment Methods	4
5. Verification of Credibility of Students' Results.....	4
6. Recommendations	4
C. Student Results	5
1. Distribution of Grades	5
2. Comment on Student Results	5
3.Recommendations	6
D. Course Learning Outcomes	6
1. Course Learning Outcomes Assessment Results	6
2. Recommendations	9
E. Course Quality Evaluation	9
1. Students Evaluation of the Quality of the Course	9
2. Other Evaluations	10
3.Recommendations :	10
F. Difficulties and Challenges	11
G. Course Improvement Plan	11
1. Course Improvement Actions.....	11
2. Action Plan for Next Semester/Year	12

A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
1	<i>Dr. Bassam A. Abuamarah</i>	<i>Building 4</i>	<i>56398</i>	<i>13</i>	<i>12</i>

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		
<ul style="list-style-type: none"> Direct teaching (teaching lectures, discussion, presentations, reading activities via virtual class on line, and practical training students' attending sessions. 	√		No- difficulties	No- difficulties
<ul style="list-style-type: none"> Assignments and home works were given to students 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.
<ul style="list-style-type: none"> Perform the course planned Fieldtrip. 		√	Due to Corona Pandemic, was not supported out .	Action is to give students leering scientific videos aligned with the course contents

Planned Teaching Strategies	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
				and topics instead of this planned issue.

4. Activities/Assessment Methods

Activities/Planned Assessment Methods	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
<ul style="list-style-type: none"> Performance-based on assessment (direct questions, homework, assignment completion, quarterly test) 	√		No- difficulties	No- Actions
<ul style="list-style-type: none"> Formal research and a written test, and assignment projects, along with practical practice and tests. 	√			
<ul style="list-style-type: none"> To run out a geological field trip to compete students the ability and skill needed for covering relevant Ore deposits formation and evolution of their environment's conditions, and genesis. 		√	Was not carried out due to the Coronavirus (COVID-19) pandemic.	Therefore, a very related , and selective learning videos were given to students instead.

5. Verification of Credibility of Students' Results

Method(s) of Verification	Conclusions
<ul style="list-style-type: none"> Exam questions, home works assignments, formal research were discussed with other faculty members. 	Questions and homework assignments were judged, appropriate, and verified.
<ul style="list-style-type: none"> Random Exams' questions Samples reviewed by my Colleague. 	

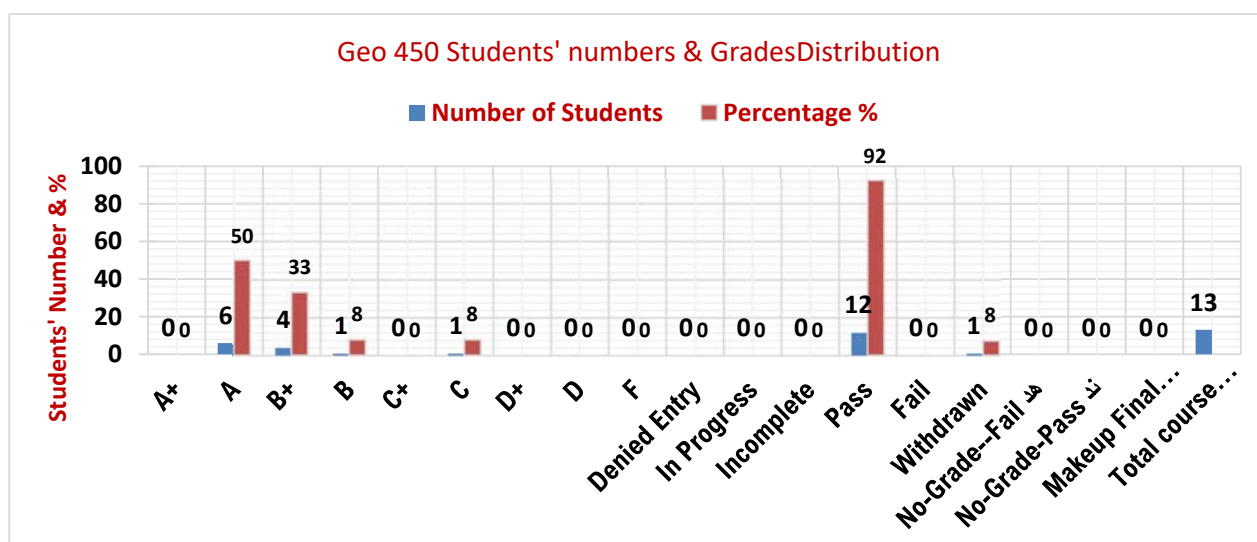
6. Recommendations

- 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	Grades									Status Distributions								Total course students no.	
	A+	A	B+	B	C+	C	D+	D	F	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn	No-Grade--Fail	No-Grade--Pass		Makeup Final exam
Number of Students	0	6	4	1	0	1	0	0	0	0	0	0	12	0	1	0	0	0	13
Percentage %	0	50	33	8	0	8	0	0	0	0	0	0	92	0	8	0	0	0	



2. Comment on Student Results

- Even due to Corona Pandemic, the students' achievements' and results were more than 75% of each course learning outcomes assessment than in the normal condition.
- Nevertheless, and Luckily the college regulations and system gave them all capabilities and facilities to complete their course. though there were some student's irregularity in attending the lectures, assignments via virtual classes to the lack of internet facilities in in their home or computers (Hardware) problems, that might lead them toward withdrawn, or not to attend the final exam.
- In this semester, the universities granted 20 marks to be added to the semester's total marks, thus, semesters total calculated marks will be 80 marks instead of 60 marks.
- Therefore, the marks of the final Exam marks considered to be 20 instead of 40.

3.Recommendations

- Basically, Learning Management System (Black Board) operational procedures needs to adjust them to accommodate students full awareness, in order prepare all to be familiar in using Blackboard.

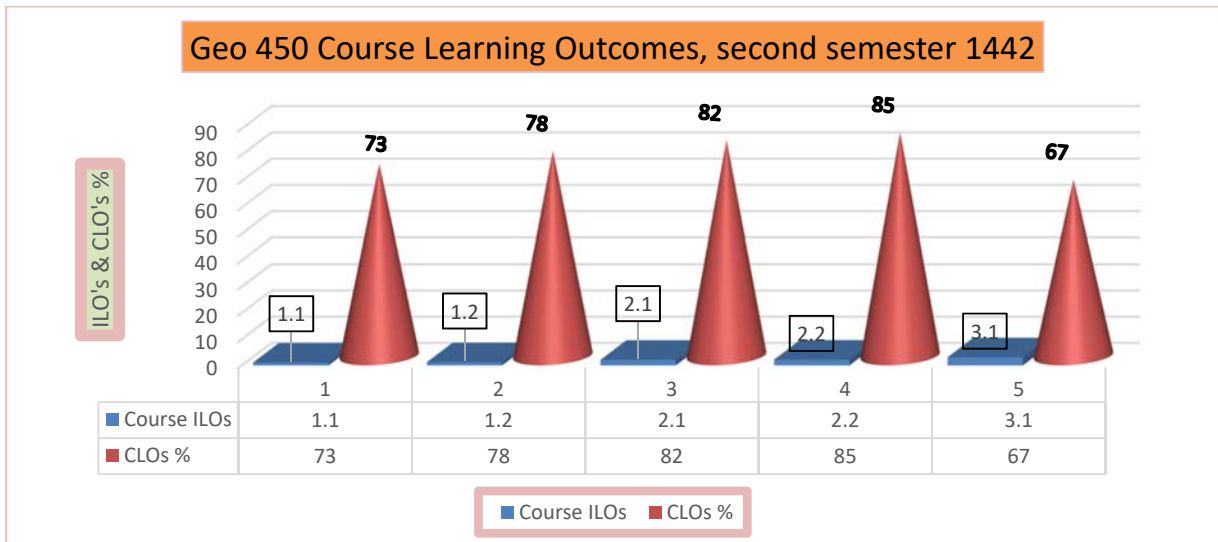
D. Course Learning Outcomes

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:				
By the end of the course session, the student should be able to understand and describe the Ore deposits, and their formation and occurrence, their grade, cut-off grade, Toner, potentiality, and exploration concepts.	PLO1	<ul style="list-style-type: none"> • Direct teaching • Home works. • Formal research. • discussion, presentations, reading activities • Final exams • Practical tests Questions and answers throughout virtual class	Every student must acquire more than 70% of this CLO.	More than 72%	<ul style="list-style-type: none"> • The minimum CLO has achieved in each student. • Exams, homework and lab reports are used to assess the acquired knowledge on the subject. • Formal research were given to rate the students' ability of knowledge of the course. • The minimum CLO has been achieved.
1.2 By the end of the semester session, the student should be able to determine the diversity methods of ore deposits formations and condition and types characteristics for identifying their			Student must acquire more than 65% of this CLO.	The level is more than 67%	<ul style="list-style-type: none"> • The minimum CLO has been achieved.

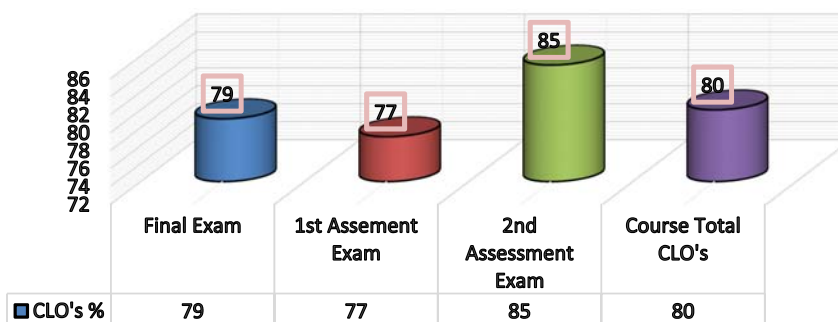
Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results	
			Target Level/ Criterion for Success	Actual Level		
minimum grade required in order to be economically mined, and classify them upon their mineral's classifications, and constituents.						
1...						
2 Skills:						
2.1	PLO2	<ul style="list-style-type: none"> Home works. Formal research Final exams Practical tests Questions and answers throughout virtual class	Every student must acquire more than 60% of this CLO.	More than 70%	<ul style="list-style-type: none"> The minimum CLO has achieved . student via Exams and homework will be emphasized students capability on differentiate and classify between the minerals, and their resources potentiality. The minimum CLO has achieved . 	
2.2				<ul style="list-style-type: none"> Students shall be capable and acquainted to communicate and interpret the ore deposits formational types, processes and and their accumulation in the types of host rocks, and to realize their concentrarion and grade to be either a potential resources or not.. 		The actual level in this semest er is more than 65% of this CLO
				<ul style="list-style-type: none"> Students shall be capable and acquainted to have Practicing communication skills in 		

Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
			Target Level/ Criterion for Success	Actual Level	
speaking/presenting in class and and represent himself.					
2...					
3 Values:					
3.1		Research project, Team working in practical lessons	Every student must acquire more than 65% of this CLO.	More than 66%	The minimum CLO has achieved.
3.2					
3...					



Geo 450 course (Course learning Outcomes, (CLO's) %

■ Final Exam
 ■ 1st Assement Exam
 ■ 2nd Assessment Exam
 ■ Course Total CLO's



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:25/5/2021	Number of Participants:13	Percentage of Participation: 92%	Evaluation Result: 95%
Students Feedback		Course Coordinator/Instructor Comments/Response	
<p>Strengths:</p> <ul style="list-style-type: none"> The course outlines of contents, objectives and course learning outcomes (CLOs) are seen and clearly obvious to students as delineated to them on line via LMS 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 Exam questions are suitable and marking is fair. 		<ul style="list-style-type: none"> 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. Aspects of strength will be reinforced. 	
<p>Areas for improvement:</p> <ul style="list-style-type: none"> Limited interaction with the students through the internet. The reading skills, and to run more assignments are required. 		<p>We will attempt and endeavor to provide articles and assignments.</p>	
<p>Suggestions for Improvement:</p> <ul style="list-style-type: none"> 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. 		<p>Students shall read out more related articles and hand-outs to course objectives along with the assigned given assignments to them.</p>	

2. Other Evaluations

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

Evaluation method :	Date:
Evaluator(s) Comments	Course Coordinator/Instructor Comments/Response
<p>Strengths:</p> <ul style="list-style-type: none"> • It has the potential ability for application in the private sector. • It contains modern and the most important knowledge in rocks' types resources. 	<p>Aspects of strength will be covered</p>
<p>Areas for improvement:</p> <ul style="list-style-type: none"> • To encourage students to have more training and practice on learning management system. • Due to the limited time online virtual class, more learning videos have to tend, to define, a specific discrete units of knowledge and that can be accomplished within a short time frame run through the virtual class (online) instead of the field trips. • To encourage students to exploit learning resources and to read more topics and articles in relation to the Ore deposits in Earth's crust, i.e. where geologic processes have concentrated one or more minerals at greater abundance that can be profit. • To run field trips session in the next semesters. • To deliberate more lab's sessions for improving the outcomes of the course. 	<ul style="list-style-type: none"> • I shall attempt to set most of these improvement areas in attention, and consideration by next semester..
<p>Suggestions for Improvement: -</p> <ul style="list-style-type: none"> • More LMS preparation shall be fine-tuned to ensure virtual teaching and learning issues are not disrupted, and to make sure that the students get the most benefits out of the virtual classes of teaching and learning. 	<ul style="list-style-type: none"> • Students should bay more attentiveness and awareness during the virtual taught sessing via BB, that are required for improving the 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 crystal morphology, system, structures and minerals 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).

F. Difficulties and Challenges

Difficulties and Challenges	Consequences	Actions Taken
Administrative Issues		
<ul style="list-style-type: none"> To run out a geological field trip to gocompleteive students the ability and skill needed for covering the knowledge of different ore deposits formational processes, and to interpret their geological, evolution and environments condition of profitable ores. 	<p>Was not carried out due to the Coronavirus (COVID-19) pandemic</p>	<p>Therefore, a very related, and selective learning videos were given to students instead.</p>
Learning Resources		
<ul style="list-style-type: none"> In the laboratory, there are specified lacks of some materials. 	<p>Some the practical classes have done without actually practical training.</p>	<p>The more lab required materials and instrumentations shall be provided by the geology and geophysics department.</p>
Facilities		
<ul style="list-style-type: none"> The rocks' workshop needs to be fixed. 	<p>Deficiency in preparing rock's thin section... etc.</p>	<p>The deparment shall fix the rocks' workshops</p>

G. Course Improvement Plan

1. Course Improvement Actions

Recommended Actions	Actions Taken	Results	Comments
a. Previous course Report Recommendations			
<ul style="list-style-type: none"> Updating the course basing on the course specification. Activate the 1:20 KPI's ratio, in order to improve the learning 	<p>Done</p> <p>No action plans were taken to accept this KPI's ratio.</p>	<ul style="list-style-type: none"> The teaching of the course trajectory as planned. <p>The course instructor with more than 20 students encountered for instructor to communicate with each student during teaching session.</p>	<p>The course relatively on line with recent trends of stockholder's demands.</p>

Recommended Actions	Actions Taken	Results	Comments
outcomes session quality			
b. Other Improvement Actions*			
<ul style="list-style-type: none"> In this stage, there are no developmental measures have been taken during teaching the course and not included in the development plan of it. More course considerable materials electronically arranged in the purpose of classroom tutoring and used for or in conjunction with a course. 		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.

* (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 extensive home works, more written assignments', and presenting small written projects.		Instructor	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' Lab attendance, and topics refining		Instructor and the lab assistance			
3. More update references, learning resources and handouts		Instructor			
4. To carry out the course's planned fieldtrips sessions		Department Head			



تقييم عضو هيئة التدريس للفصل 422

المحاضر : 77888 - بسام عبد المعطي عرفات أبو عمارة

الشعبة : 56398

عدد المقيمين : 12

الكلية : العلوم

القسم : الجيولوجيا والجيوفيزياء

المقرر : 450 جيولوجيا الخامات

م	بيود التقييم	أوافق بشدة		أوافق		أوافق إلى حد ما		لا أوافق		لا أوافق مطلقا		م
		العدد	%	العدد	%	العدد	%	العدد	%	العدد	%	
1-1	كانت أهداف المقرر واضحة بالنسبة لي في بداية الفصل الدراسي	7	16.7	2	25	3	0	0	0	0	0	1-1
2-1	تحققت أهداف المقرر في نهاية الفصل الدراسي	7	16.7	2	25	3	0	0	0	0	0	2-1
3-1	تحقق أهداف المقرر التحسين المنشود	6	25	3	25	3	0	0	0	0	0	3-1
4-1	ظل الدائرة رقم ثلاثة لهذه العجزة	2	0	0	83.3	10	0	0	0	0	0	4-1
1-2	تتوافق الواجبات / المهام بغية التعلم في المقرر مع أهداف المقرر	7	16.7	2	25	3	0	0	0	0	0	1-2
2-2	تساهم الواجبات المطلوب مني إنجازها في تحقيق أهداف المقرر	7	16.7	2	25	3	0	0	0	0	0	2-2
3-2	يتناسب الوقت المخصص لإنجاز الواجبات والمهام بغية التعلم مع حجم تلك الواجبات	7	16.7	2	25	3	0	0	0	0	0	3-2
1-3	يوسعي تخطيط مهام /واجبات التعلم تبعاً لسرعتي في إنجاز الواجبات	7	16.7	2	25	3	0	0	0	0	0	1-3
2-3	يوسعي حل المشكلات المتعلقة بواجبات ومهام التعلم الموكلة لي	7	16.7	2	25	3	0	0	0	0	0	2-3
1-4	تساعد التسهيلات المتوفرة في بيئة التعلم على إنجاز أنشطة التعلم	6	25	3	25	3	0	0	0	0	0	1-4
2-4	أستمتع بالتعلم مع زملائي في هذا المقرر	7	16.7	2	25	3	0	0	0	0	0	2-4
3-4	أشعر بالرضا التام عن مصادر التعلم (مواد المقرر، الكتب، مساعدات التعلم، الخ...) المتوفرة لدعم نشاطاتي في التعلم	6	25	3	25	3	0	0	0	0	0	3-4
1-5	يلم استاذ المقرر بحتويات المقرر	8	8.3	1	25	3	0	0	0	0	0	1-5
2-5	يملك استاذ المقرر المهارات التي تساعدني على استيعاب المحتوى المقرر خارج متطلبات كتاب المقرر	7	16.7	2	25	3	0	0	0	0	0	2-5
3-5	يستفيد استاذ المقرر أحدث الوسائل المتوفرة في تدريس المقرر	6	25	3	25	3	0	0	0	0	0	3-5
4-5	يشجع استاذ المقرر الطلبة على استئناف محتوى المقرر خارج متطلبات كتاب المقرر	8	8.3	1	25	3	0	0	0	0	0	4-5
5-5	يتعامل استاذ المقرر مع الطلبة باحترام حتى لو اختلفوا معه في الرأي	7	16.7	2	25	3	0	0	0	0	0	5-5
1-6	استخدم استاذ المقرر طرقاً تعليمية متنوعة لتعليم الطالب في المقرر	6	25	3	25	3	0	0	0	0	0	1-6
2-6	يعتمد توزيع الدرجات المخصصة للتقويم على أدائي في المقرر	7	16.7	2	25	3	0	0	0	0	0	2-6
1-7	تحققت مخرجات ونتائج المقرر في نهاية المقرر	6	25	3	25	3	0	0	0	0	0	1-7
2-7	لدي الآن المعرفة الأساسية المرجوة من دراسة المقرر	7	16.7	2	25	3	0	0	0	0	0	2-7
3-7	لدي القدرة على تطبيق المعرفة التي اكتسبتها من دراسة المقرر	7	16.7	2	25	3	0	0	0	0	0	3-7
4-7	لدي القدرة على صياغة حلول لمشكلات تتعلق بالمقرر	7	16.7	2	25	3	0	0	0	0	0	4-7
5-7	ساهم المقرر في تطوير مهارات التحليل لدي	7	16.7	2	25	3	0	0	0	0	0	5-7
6-7	ساهم المقرر في تطوير مهاراتني في التفكير الناقد	7	16.7	2	25	3	0	0	0	0	0	6-7
7-7	ساهم المقرر في تطوير مهاراتني في التواصل	7	16.7	2	25	3	0	0	0	0	0	7-7
8-7	ساهم المقرر في تطوير مهاراتني في العمل ضمن فريق	6	25	3	25	3	0	0	0	0	0	8-7
9-7	ظل الدائرة رقم اثنين لهذه العجزة	3	0	0	83.3	1	66.7	8	0	0	0	9-7
1-8	لأنتي حصلت على معرفة تساهم في تطويري بشكل عام	7	16.7	2	25	3	0	0	0	0	0	1-8
2-8	لأنتي حصلت على مهارات تساهم في تطويري بشكل عام	8	8.3	1	25	3	0	0	0	0	0	2-8
3-8	ساهم المقرر في تطويري بشكل عام.	8	8.3	1	25	3	0	0	0	0	0	3-8
55.63	النسبة الاجمالية		15.87		26.34		2.15		0			