



Course Report

Course Title:	Geochemistry
Code:	451 Geo
Program:	Geology
Department:	Geology and Geophysics
Institution:	College of Science/ King Saud University
Academic Year:	1442
Semester:	Second Semester
Course Instructor:	Dr. Bassam A. Abuamarah
Date:	5/18/2021

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	10
1. Students Evaluation of the Quality of the Course	10
2. Other Evaluations	10
3.Recommendations :	11
F. Difficulties and Challenges	11
G. Course Improvement Plan	12
1. Course Improvement Actions.....	12
2. Action Plan for Next Semester/Year	13

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>72764</i>	<i>3</i>	<i>3</i>

B. Course Delivery

1. Course Contact Hours (per semester)

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

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.

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 give students the ability and students' skill and competence needed. 		√	Was not carried out due to the Coronavirus (COVID-19) pandemic.	Learning videos aid provided by for a much deeper understanding, brain stroming were given 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. 	

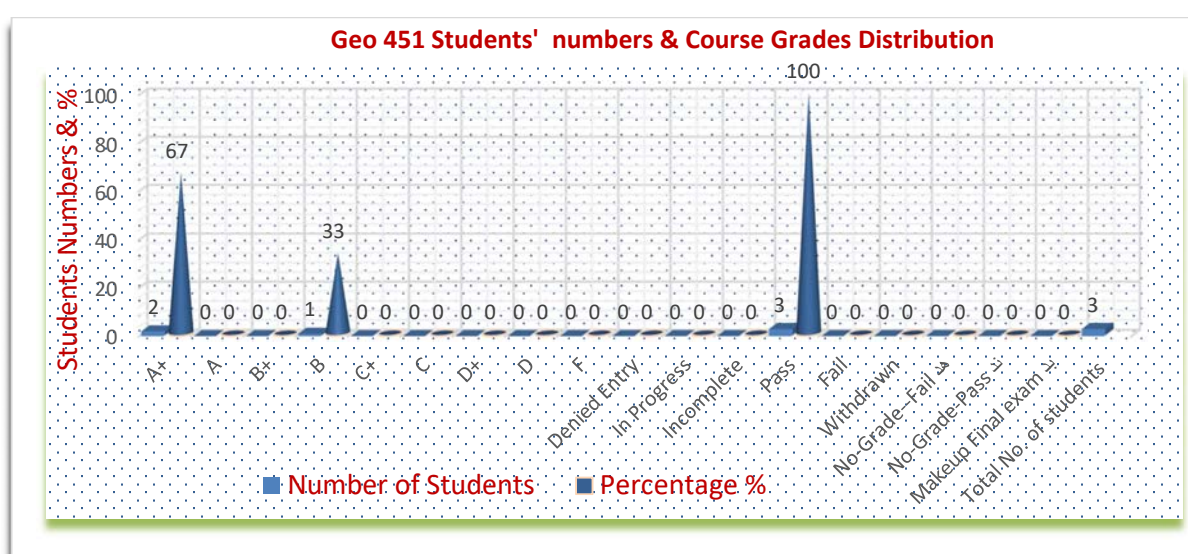
6. Recommendations

- Exams and model answers, shall be reviewed by colleague in order to verify the credibility of students' results based on the procedures of the academic accreditation requirements.

C. Student Results

1. Distribution of Grades

Grades	Grades									Status Distributions							Total No. of students		
	A+	A	B+	B	C+	C	D+	D	F	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn	No-Grade--Final		No-Grade--Pass	Makeup Final exam
Number of Students	2	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Percentage %	67	0	0	33	0	0	0	0	0	0	0	0	100	0	0	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.

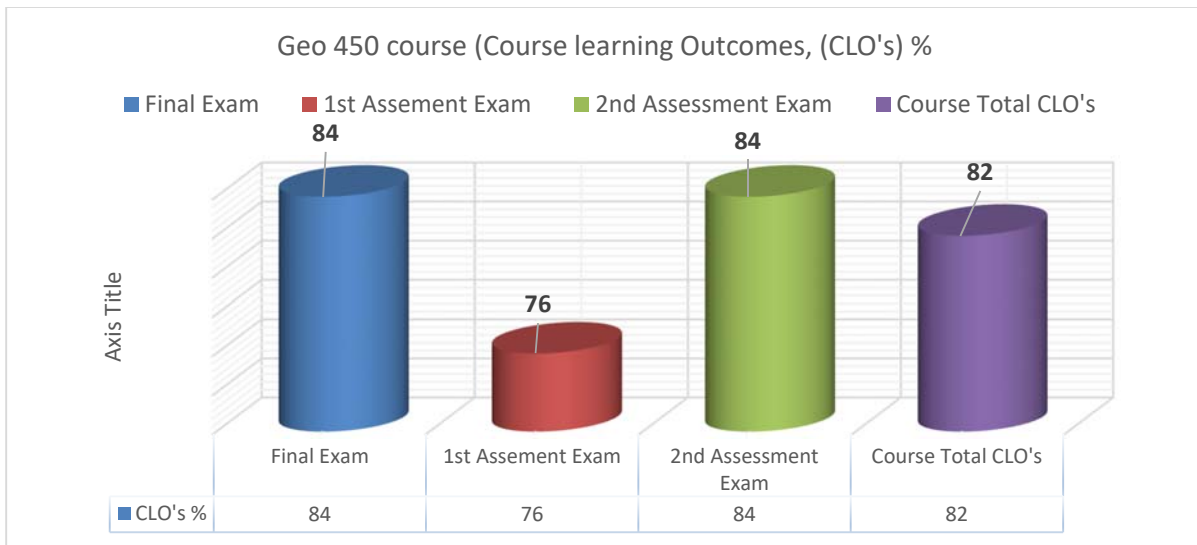
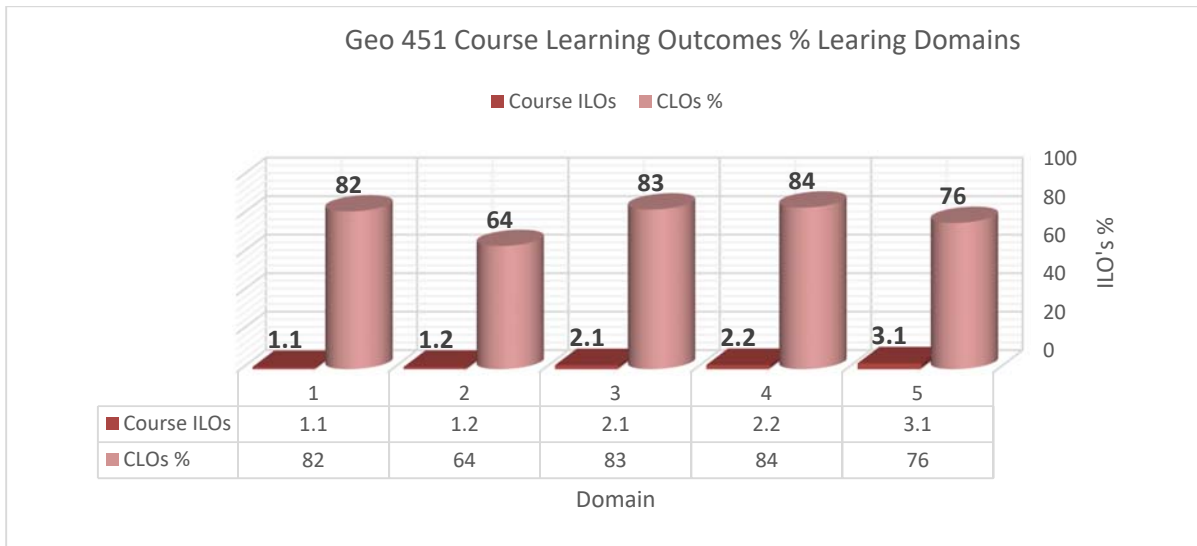
D. Course Learning Outcomes

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, to define the variety of the essential chemical elemental's, reaction, and their behavior, and distribution in evolution the solar and earths system. that control them in a global-scale.	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 list, to recall, to arrange the diversity of the essential chemical elemental's, reaction, and their behavior, and distribution in			Student must acquire more than 60% of this CLO.	The level is more than 60%	<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	
developing and evolutions of the solar and earths system. that control their origin and genesis in a global-scale.					
1...					
2 Skills:					
2.1				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	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.	The actual level in this semester is more than 70% of this CLO	

Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
			Target Level/ Criterion for Success	Actual Level	
<ul style="list-style-type: none"> Students shall be capable and acquainted to have Practicing communication skills in speaking/presenting in class and and represent himself. 					
2...					
3 Values:					
3.1 <ul style="list-style-type: none"> By the end of the semester, the Student should be able to apply what they taught and learned in order to make connections among self-controls in different the chemical essential elemental's, reaction, and behavior, and distribution in developing and evolution of the solar and earths system. that control their origin and genesis processes natures 		Research project, Team working in practical lessons	Every student must acquire more than 65% of this CLO.	More than 70%	The minimum CLO has achieved.
3.2					
3...					



2. Recommendations

In the next coming semester, the course strategies shall be maintained to 80%.

E. Course Quality Evaluation

1. Students Evaluation of the Quality of the Course

Date of Survey: 20/5/2021	Number of Participants:3	Percentage of Participation: 100 %	Evaluation Result: 95 %
Students Feedback		Course Coordinator/Instructor Comments/Response	
Strengths: <ul style="list-style-type: none"> The objectives and course learning outcomes (CLOs) viewed and clearly obvious by students at the starting date of the taught semester Course coordinator is well-acquainted with the subject. Assessment methods are given numerous help to students to understand the topics. 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. 	
Areas for improvement: <ul style="list-style-type: none"> Limited interaction with the students through the internet. The reading skills, and to run more assignments are required. 		We will attempt and endeavor to provide articles and assignments.	
Suggestions for Improvement: <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. 		Students shall read out more related articles and hand-outs to course objectives along with the assigned given assignments to them.	

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: <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. 	Aspects of strength will be covered
Areas for improvement: <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. 	<ul style="list-style-type: none"> I shall attempt to set most of these improvement areas in attention, and consideration by next semester..

<ul style="list-style-type: none"> • 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 deliberate more lab's sessions for improving the outcomes of the course. 	
<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 to improving the course gripping skills.

* Add separate table for each evaluation

<p>3.Recommendations:</p> <ul style="list-style-type: none"> • 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"> • There are no difficulties and challenges. 	Nil	Nil
Learning Resources		
<ul style="list-style-type: none"> • In the laboratory, there are specified lacks of some materials. 	Some the practical classes have done without actually practical training.	The more lab required materials and instrumentations shall be provided by the geology and geophysics department.
Facilities		
<ul style="list-style-type: none"> • The rocks' workshop needs to be fixed. 	Deficiency in preparing rock's thin section... etc.	The deparment shall fix the rocks' workshops

Difficulties and Challenges	Consequences	Actions Taken

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 outcomes session quality 	<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>
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. 		<p>The teaching of the course trajectory as planned.</p>	<p>The course relatively required to be on line with recent trends of an updated electronic course materials.</p>

* (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			



تقييم عضو هيئة التدريس للفصل 422

المحاضر : 77888 - بسام عبد المعطي عرفات أبو عمارة

النشاط : محاضرة 72764 الشعبة : 3

عدد المسجلين : 3 عدد المقدمين : 3

العلمية : العلوم

القسم : الجيولوجيا والجيوفيزياء

المقرر : 451 جيو كيمياء

م	بنود التقييم	لا أوافق مطلقاً		لا أوافق		أوافق إلى حد ما		أوافق بشدة	
		العدد	%	العدد	%	العدد	%	العدد	%
1-1	كانت أهداف المقرر واضحة بالنسبة لي في بداية الفصل الدراسي	0	0	0	0	1	33.3	1	33.3
2-1	تحققت أهداف المقرر في نهاية الفصل الدراسي	0	0	0	0	1	33.3	2	66.7
3-1	تحقق أهداف المقرر التحصيلي المنشود	0	0	0	0	1	33.3	1	33.3
4-1	ظلت الدائرة رقم ثلاثة لهذه العجالة	0	0	3	100	0	0	0	0
1-2	تتوافق الواجبات / المهام بغية التعلم في المقرر مع أهداف المقرر	0	0	0	0	1	33.3	1	33.3
2-2	تساهم الواجبات المطلوب مني إنجازها في المقرر في تحقيق أهداف المقرر	0	0	0	0	1	33.3	1	33.3
3-2	يتناسب الوقت المخصص لإنجاز الواجبات والمهام بغية التعلم مع حجم تلك الواجبات	0	0	0	0	1	33.3	1	33.3
1-3	بوسعي تحطيط مهام / واجبات التعلم تبعاً لسرعتي في إنجاز الواجبات	0	0	0	0	1	33.3	1	33.3
2-3	بوسعي حل المشكلات المتعلقة بواجبات ومهام التعلم الموكلة لي	0	0	0	0	1	33.3	1	33.3
1-4	تساعد التسهيلات المتوفرة في بيئة التعلم على إنجاز أنشطة التعلم	0	0	0	0	1	33.3	1	33.3
2-4	أستمتع بالتعلم مع زملائي في هذا المقرر	0	0	0	0	1	33.3	2	66.7
3-4	أشعر بالرضا التام عن مصادر التعلم (مواد المقرر، الكتب، مساعدات التعلم، أ الخ ...) المتوفرة لدعم نشاطاتي في التعلم	0	0	0	0	1	33.3	1	33.3
1-5	لحم أستاذ المقرر بمحتويات المقرر	0	0	0	0	1	33.3	2	66.7
2-5	يمتلك أستاذ المقرر المهارات التي تساعد على إيصال المواضيع الصعبة بأسلوب سهل الفهم	0	0	0	0	1	33.3	2	66.7
3-5	يستخدم أستاذ المقرر أحدث الوسائل المتوفرة في تدريس المقرر	0	0	0	0	1	33.3	1	33.3
4-5	يشجع أستاذ المقرر الطلبة على استكشاف محتوى المقرر خارج متطلبات كتاب المقرر	0	0	0	0	1	33.3	1	33.3
5-5	يتعامل أستاذ المقرر مع الطلبة باحترام حتى لو اختلفوا معه في الرأي	0	0	0	0	1	33.3	0	0
1-6	استخدم أستاذ المقرر طرقاً في أساليب تقييم الطالب في المقرر	0	0	0	0	1	33.3	1	33.3
2-6	تحقق توزيع الدرجات المخصصة للتقييم على أدائي في المقرر	0	0	0	0	1	33.3	0	0
1-7	تحققت مخارجات ونتائج المقرر في نهاية المقرر	0	0	0	0	1	33.3	2	66.7
2-7	لدي الآن المعرفة الأساسية المرجوة من دراسة المقرر	0	0	0	0	1	33.3	0	0
3-7	لدي القدرة على تطبيق المعرفة التي اكتسبتها من دراسة المقرر	0	0	0	0	1	33.3	0	0
4-7	لدي القدرة على صياغة حلول لمشكلات تتعلق بالمقرر	0	0	0	0	1	33.3	0	0
5-7	ساهم المقرر في تطوير مهارات التحليل لدي	0	0	0	0	1	33.3	1	33.3
6-7	ساهم المقرر في تطوير مهاراتي في التفكير الناقد	0	0	0	0	1	33.3	0	0
7-7	ساهم المقرر في تطوير مهاراتي في التواصل	0	0	0	0	1	33.3	0	0
8-7	ساهم المقرر في تطوير مهاراتي في العمل ضمن فريق	0	0	0	0	1	33.3	0	0
9-7	ظلت الدائرة رقم اثنين لهذه العجالة	0	0	3	100	0	0	0	0
1-8	لأنتي حصلت على معرفة تساهم في تطوري بشكل عام	0	0	0	0	1	33.3	1	33.3
2-8	لأنتي حصلت على مهارات تساهم في تطوري بشكل عام	0	0	0	0	1	33.3	0	0
3-8	ساهم المقرر في تطوري بشكل عام	0	0	0	0	1	33.3	0	0
	النسبة الإجمالية		0		3.23		34.38		25.79