



SYLLABUS

A. Course Description

Course Code	Course Num.	Course Name	Credit Hours	Lec.	Lab.	Tut.	Private study	Pre-requisites	Course Level	Language
CHM	461	Research Project	3		5		4	-	8	English

Graduation Project is an independent task to be carried out by each student individually and accomplished according to a specific timetable duration. Students should achieve the project within one semester. Graduation project is a solo act based on one major department topics and is supervised by one of the staff members. The department assigns a scientific committee with the project supervisor to evaluate and discuss the project in a pre-stated date before the final exam. The student is given freedom to a great extent in choosing the graduation project title; the selected topic will focus on, and follow with the aid of the supervising professor.

At the end of this course the student will be able to:

1. Recall basic concepts and knowledge to initiate the graduation project
2. List the scientific approach for interpreting the obtained data
3. To describe the obtained results in appropriate form
4. Outline in-depth knowledge of currently active research areas in Chemistry
5. Write the scientific report supported with obtained results and conclusion
6. Diagram and illustrate experimentally obtained data.

B. References: Required Textbook & Internal Website

Students will be guided by study notes, books, research articles and original sources (or English translations where necessary), which are provided. The students will need to master the appropriate mathematics and ultimately present his /her work in the form of a final presentation. Other appropriate learning resources are possible related to the nature of the research project.

Google Classroom Webpage: <http://www.imamm.org/>

C. Topics Outline

1. Collection a background and literature review on the suggested work.
2. The student carries out a guided independent study with review of research background and literatures in selected topic in chemistry. The project can be done with laboratory work.
3. Discussion by oral presentation.



D. Exams & Grading System

The semi-official dates of the exams for this course, with all the caveats, that the word “semi-official” entails, can be found here:

- First continuous evaluation (reported by the supervisor): 6th or 7th week
- Second continuous evaluation (reported by the supervisor): 11th or 12th week
- Written report in English: 1
- Short talk in English language: 1

	Teaching/learning activities	Contact Hours	Frequency	Total Contact hours	Self-study hours (hrs)	Total self-study hours	Student Learning Time
1	Discussion	1	14	14	2	28	42
2	Scientific Research and lab performance	4	14	56	1	14	70
3	Final written report	0	1	0	14	14	14
4	Final oral presentation	0	1	0	10	10	10
Total				70		66	136

Independent self-study = $66/15 \cong 4$ hrs per week (as average)

Your course grade will be based on your semester work as follows:

First continuous evaluation: 20 %	Second continuous evaluation: 30 %
Written Final report in English and Short talk in English language : 50 %	

Grading distribution:

A+: [95, 100], A: [90, 95), B+: [85, 90) , B: [80, 85), C+: [75, 80), C: [70, 75), D+: [65, 70), D: [60, 65), F: [0, 60).

E. Student Attendance/Absence

Only three situations will be considered as possible excused absences:



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- Occurrence of a birth or death in the immediate family will be excused. (“Immediate family” is defined by the University as spouse, grandparents, parents, brother, or sister).
 - Severe illness in which a student is under the care of a doctor and physically unable to attend class will be excused. Students are not excused for a doctor's appointment. Do not make appointments that conflict with rehearsals. Notes from the University Health Center will be accepted.

[Executive Rules for Study Regulations and Exams](#)

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