Course Specification
(Bachelor)

Course Title:	**Selected Topics in Inorganic Chemistry**
Course Code:	**CHM 1315**
Program:	**Bachelor of Science in Chemical Laboratories**
Department:	**Chemistry**
College:	**Science**
Institution:	**Imam Mohammed Ibn Saud Islamic University**
Version:	**1446-10 v1**
Last Revision Date:	**17 September 2024**

Table of Contents

A. General information about the course:

-1. Course Identification

1. Credit hours: 3 (3, 0, 0)					
3 (3 Lectures, 0 Lab, 0 Tutorials)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☐ Required		☒ Elective		
3. Level/year at which this course is offered: Level 6/ Third year					
4. Course general Description:					
List of Topics, Specific to recent topics in Inorganic Chemistry					
5. Pre-requirements for this course (if any)**:**					
Industrial Inorganic Chemistry - CHM 1314					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					
This course enables students to enrich their knowledge with different special topics of interest, which are carefully selected from Inorganic Chemistry topics. The course covers selected topics in inorganic chemistry suggested by the student's supervisor and approved by the head of department and the department council each time this course is offered.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	**45**	**100%**
2	E-learning	**0**	**0**
3	Hybrid • Traditional classroom • E-learning	**0**	**0**
4	Distance learning	**0**	**0**

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	**45**
2.	**Laboratory/Studio**	**0**
3.	**Field**	**0**
4.	**Tutorial**	**0**
5.	**Others (specify)**	**0**
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	**To be specified according to the selected topics**	Depending on	To be specified according to the selected topics	
1.2				
1.3				
2.0	**Skills**			
2.1	**To be specified according to the selected topics**	Depending on	To be specified according to the selected topics	
2.2				
2.3				
3.0	**Values, autonomy, and responsibility**			
3.1	**To be specified according to the selected topics**	**Depending on**	**To be specified according to the selected topics**	

C. Course Content

No	List of Topics	Contact Hours
	Specific to recent Selected topics in Inorganic Chemistry	45
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm 1	6th/ 7th week	20 %
2.	Midterm 2	11th/ 12th week	20 %
3.	Quizzes, Home Works, class participation, and mini projects	During the semester	20 %
5.	Final Exam	16thweek	40 %
6.	Total	All weeks	100 %

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	To be specified according to the selected topics
Supportive References	To be specified according to the selected topics
Electronic Materials	• To be specified according to the selected topics
Other Learning Materials	• Blackboard • Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	**Each of the classroom should be equipped with a whiteboard and a projector, with a maximum of 20 students.**
Technology equipment (projector, smart board, software)	**The rooms are equipped with data show, Smart Board,** **WI-FI access.**
Other equipment (depending on the nature of the specialty)	• **None**

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	**Students**	**Direct:** Questionnaire.
	Course Responsible	**Direct:** Course e-Portfolio. **Indirect:** Second examiner checklist-Course report.
	Peer Reviewer	**Direct:** Questionnaire. **Indirect:** External assessor report.
Effectiveness of Students assessment	**Program Leaders**	**Direct:** Course e-Portfolio. **Indirect:** Course report.
Quality of learning resources	**Students**	**Indirect:** Second examiner checklist-Course report.
	Faculty (Academic Advisory)	**Direct:** course Entrance/Exit. **Indirect:** Observations - Accreditation review.
	Program Leaders	**Direct:** Course e-Portfolio. **Indirect:** Course evaluation survey- Observations- Syllabus review- Accreditation review.
The extent to which CLOs have been achieved		
Lab Performance	**Students**	**Direct:** Lab reports, Final Lab exam, Course e-Portfolio.

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	COUNCIL OF DEPARTMENT OF CHEMISTRY
REFERENCE NO.	3 (NO. 1/3)
DATE	5/3/1446- 8/09/2024