هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission
اعتماد
NCAAA
2024
TP-153

# Course Specification
## (Bachelor)

| | |
|---|---|
| Course Title | Selected Topics in Organic Chemistry |
| Course Code: | CHM 1327 |
| Program: | Bachelor of Science in Chemical Laboratories |
| Department: | Chemistry |
| College: | Science |
| Institution: | Imam Mohammed Ibn Saud Islamic University |
| Version: | 2024- -1 |
| Last Revision Date: | 15 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 5/ Third year** | | | | | |
| **4. Course general Description:** | | | | | |
| **List of Topics, Specific to recent topics in Organic Chemistry** | | | | | |
| **5. Pre-requirements for this course** (if any)**:** | | | | | |
| **Organic Chemistry – CHM 1225** | | | | | |
| **6. Co-requisites for this course** (if any)**:** | | | | | |
| **None** | | | | | |
| **7. Course Main Objective(s):** | | | | | |
| **This course enables students to enrich their knowledge with special topics of interest carefully selected from Organic Chemistry topics. The course covers selected topics in Organic chemistry suggested by the student's supervisor and approved by the head of the 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<br>• Traditional classroom<br>• 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** | | 45 |

## 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 |
|---|---|---|
| 1. | **Specific to recent Selected topics in Organic Chemistry** | **45** |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| **Total** | | **45** |

## D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|---|---|---|---|
| 1. | Quizzes, Attendance, Participation, Homework | All the semester | 20% |
| 2. | Midterm Exam 1 | Around 6th -7th week | 20% |
| 3. | Midterm Exam 2 | Around 11th -12th week | 20% |
| 4. | Final Exam | Around 15th – 16th week | 40% |
| 6. | Total | | 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 |

### 2. Required Facilities and equipment

| Items | Resources |
|---|---|
| **facilities** (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Each classroom is equipped with PC and retro projector with a maximum of 25 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 | **Course Responsible** | **Direct:** Exams - Course e-Portfolio. **Indirect:** Second examiner checklist-Course report. |
| | **Program Leaders** | **Indirect:** Exams. |
| Other | | |

**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** |