**Course Description Form**

1. Course Name:

Organic Chemistry I

2. Course Code:

Phpch22_1212-

3. Semester / Year:

2nd Semester, 1st year

4. Description Preparation Date:

24/3/2024

5. Available Attendance Forms:

Students' signatures on attendance sheets

6. Number of Credit Hours (Total) / Number of Units (Total)

3 hours theory + 2 hours practical (60) / 4 units

7. Course administrator's name

| Theory |
|---|
| Name: Lecturer Dr. Banan Borhan Saeed<br>Email: bananaldewachi@uomosul.edu.iq<br><br>Name: Lecturer Dr. Nagham M. Zaki Dawood<br>Email: n3_m3_zmz@uomosul.edu.iq<br><br>Name: Lecturer Dr. Eman Mahmood Hasan<br>Email: emanmahmood87@uomosul.edu.iq |
| Practical |
| Name: Lecturer Nada Ahmed Khaleel<br>Email: nadaahmed199238@uomosul.edu.iq<br><br>Name: Assi Lecturer Amal Fakhrideen<br>Email: amal-aldulaimi@uomosul.edu.iq<br><br>Name: Istbrick Mohamed Almola<br>Email: istbrickalmola@uomosul.edu.iq |

8. Course Objectives

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| **Course Objectives** | Enable the student to obtain theoretical and practical information in organic chemistry. |

9. Teaching and Learning Strategies

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|---|---|
| **Strategy** | Conveying scientific information to the students using modern scientific methods |

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|---|---|---|---|---|---|
| 1-3 | 6 | Understanding the structure, reaction ar preparation of alkane and cycloalkanes | Alkanes and cycloalka | Lectures | Paper-based exam |

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|---|---|---|---|---|---|
| 4-5 | 6 | Understanding the structure, reaction ar preparation of Alken | Alkene | Lectures | Paper-based exam |
| 6 | 3 | Understanding the structure, reaction ar preparation of Diene | Diene | Lectures | Paper-based exam |
| 7-8 | 4 | Understanding the structure, reaction ar preparation of Alkyn | Alkynes | Lectures | Paper-based exam |
| 9-10 | 4 | Understanding the structure, reaction ar preparation of Alcoh | Alcohol | Lectures | Paper-based exam |
| 11-12 | 3 | Understanding the structure, reaction ar preparation of Ether | Ether | Lectures | Paper-based exam |
| 13-15 | 4 | Understanding the principle of stereochemistry | Stereochemistry | Lectures | Paper-based exam |
| 1-3 | 6 | Determination of melting point | Determination of melti point | Practical | Lab-based unknov and quiz |
| 4-6 | 6 | Determination of boiling point | Determination of boili point | Practical | Lab-based unknov and quiz |
| 7-9 | 6 | Solution and filtratio | Solution and filtration | Practical | Lab-based unknov and quiz |
| 10-12 | 6 | Sublimation | Sublimation | Practical | Lab-based unknov and quiz |
| 13-15 | 6 | Simple Distillation | Simple Distillation | Practical | Lab-based unknov and quiz |

**11. Course Evaluation**

- 20 M Theoretical assessment (paper-based midterm exam, attendance)
- 20 M Practical assessment (attendance, quizzes, unknows, reports)
- 60 M paper-based theoretical final exam
- 100 M total

**12. Learning and Teaching Resources**

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|---|---|
| Required textbooks (curricular book if any) | Morrison RT, Boyd RN. Organic Chemistry. 6th edition ,2008 |
| Main references (sources) | Textbook of organic chemistry for pharmacy students KS Mukheriee |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | https://books-library.net/free-959800753-download |
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