

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

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| Course name | Herterocyclis Chemistry |
| Course number | CHEM3223 |
| Faculty | |
| Department | |
| Course type | College Needs |
| Course level | 3 |
| Credit hours (theoretical) | 2 |
| Credit hours (practical) | 0 |
| Course Prerequisites | |

Course Objectives

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| 1 - To give the student good knowledge of all systems of nomenclature of heterocyclic compounds. |
| 2 - To give the student good knowledge of the chemistry of five and six membered heterocyclic ring systems. |
| 3 - To familiarize the student with all methods of synthesis of heterocyclic compounds |

Intended Learning Outcomes

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| Knowledge and Understanding | <ul style="list-style-type: none"> * The student is expected to have good knowledge of reactions and all methods of preparation of heterocyclic compounds. * The student is expected to have good idea of correlation between chemistry and structure |
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Course Contents

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| 1 - This course offers extensive study of all methods of naming all types of heterocyclic compounds |
| 2 - including all monocyclic systems , bridged alicyclic compounds, spiro alicyclic compounds, aromatic polynuclear systems. |
| 3 - Extensive study of the chemistry of five and six membered heterocyclic compounds. And Study of types of cyclization reactions |

Students Assessment

| <u>Assessment Method</u> | <u>TIME</u> | <u>MARKS</u> |
|----------------------------|-------------|--------------|
| First midterm 20% | | |
| second midterm 20% | | |
| Quizzes and home works 10% | | |
| Final exam. 50% | | |

