

University of Baghdad

College of Pharmacy

Department of Pharmaceutical Chemistry

Title of the course: *Organic Pharmaceutical Chemistry I*

Level: 3rd Class, 2nd Semester

Credit hours: **1**

Reference text: *Lab Handbook for Practical Pharmaceutical Chemistry
Adopted by the Department*

Objectives

| No | Lecture title | hours |
|----|---|-------|
| 1 | Preparation and standardization of 0.1N KMnO ₄ (known sample). | 2 |
| 2 | Preparation and standardization of 0.1N KMnO ₄ (quiz and unknown). | 2 |
| 3 | Assay of hydrogen peroxide solution (known sample). | 2 |
| 4 | Assay of hydrogen peroxide solution (quiz and unknown sample). | 2 |
| 5 | Assay of ferrous sulfate (known sample). | 2 |
| 6 | Assay of ferrous sulfate (unknown sample). | 2 |
| 7 | Preparation and standardization of 0.1Na ₂ S ₂ O ₄ solution (known sample). | 2 |
| 8 | Preparation and standardization of 0.1Na ₂ S ₂ O ₄ solution (quiz and unknown sample). | 2 |
| 9 | Assay of copper sulfate (known sample). | 2 |
| 10 | Assay of copper sulfate (unknown sample). | 2 |
| 11 | Assay of Chlorinated Lime (known sample). | 2 |
| 12 | Assay of Chlorinated Lime (quiz and unknown). | 2 |
| 13 | Preparation and assay of Lugol's Solution (known sample). | 2 |
| 14 | Preparation and assay of Lugol's Solution (quiz and unknown). | 2 |
| 15 | Assay of Alum (unknown sample). | 2 |