**بسم الله الرحمن الرحيم**

**University: Al-Nahrain**

**College: Medicine**

**Department: Chemistry and Biochemistry**

**Stage: PhD / First semester**

**Lecturer name: Dr. Omar F. Abdul- Rasheed**

**Qualification: Assistant Professor**

**Place of work: Chemistry and Biochemistry Department**

**Republic of Iraq**

**The Ministry Of Higher Education**

**& Scientific Research**



**Flow up of implementation celli pass play**

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| --- | --- | --- | --- | --- | --- |
| Course Instructor | Dr. Omar F. Abdul- Rasheed | | | | |
| E-mail | Omar. reasheed@colmed-alnahrain.edu.iq | | | | |
| Title | Clinical Endocrinology | | | | |
| Course Coordinator | Dr. Najat Abdul-Razaq Hasan | | | | |
| Course Objective | The student should be able to:  • understand the function of the endocrine organs, metabolism of their hormones, and their effects on the body.  • understand the pathogenesis and pathophysiology of diseases of the pituitary, thyroid, parathyroid, adrenal, pancreas (endocrine), testes, and ovary.  • interpret the results of measurements of stimulation and suppression of glands. | | | | |
| Course Description | The course involves the discussion of different cases related to many endocrine functions like hypothalamus- pituitary- adrenal axis, thyroid function tests as well as infertility problems with endocrine origin. | | | | |
| Textbook | Clinical chemistry and metabolic medicine, Martin A. Crook, 7th edition(2006)  Clinical Chemistry. William J. Marshal. 4th edition (2000) | | | | |
| Course Assessments | Term Tests | Laboratory | Quizzes | Project | Final Exam |
| (30%) | - | - | - | (70%) |
| General Notes | Type here general notes regarding the course | | | | |

**University: Al-Nahrain**

**College: Medicine**

**Department: Chemistry and Biochemistry**

**Stage: Master / First semester**

**Lecturer name: : Dr. Najat Abdul-Razaq, Dr. Omer F. Abdul Rasheed, and Dr. Rayah S. Baban,**

**Qualification: Prof. and Assistant Professor**

**Place of work** **: Chemistry and Biochemistry Department**

**Republic of Iraq**

**The Ministry Of Higher Education**

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**Course Weekly Outline**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Date** | **Topics Covered** | **Lab. Experiment Assignments** | **Notes** |
| 1 |  | Introduction, classification and mode of action |  | Dr. Najat Abdul-Razaq |
| 2 |  | The hypothalamus and pituitary gland hormones |  | Dr. Najat Abdul-Razaq |
| 3 |  | The adrenal gland |  | Dr. Omar F. Abdul Rasheed |
| 4 |  | The gonads |  | Dr. Omar F. Abdul Rasheed |
| Mid Exam |  |  |  |  |
| 5 |  | GIT hormones |  | Dr. Omer F. Abdul Rasheed |
| 6 |  | Leptin |  | Dr. Najat Abdul-Razaq |
| 7 |  | The parathyroid gland and calcium homeostasis |  | Dr. Rayah S. Baban |
| 8 |  | The thyroid gland |  | Dr. Rayah S. Baban |
| 9 |  | Glucose regulating hormones |  | Dr. Rayah S. Baban |

**INSTRUCTOR Signature: Dean Signature:**