

### Course plan

<b>Year:</b> 2025	<b>Semester:</b> <input checked="" type="checkbox"/> First, <input type="checkbox"/> Second, <input type="checkbox"/> Summer	<b>Number of students:</b> 3										
<b>Major:</b> Master's Degree in Clinical Biochemistry	<input checked="" type="checkbox"/> Basic sciences, <input type="checkbox"/> Physiopathology	<b>Department:</b> Clinical Biochemistry										
<b>Course Title:</b> Biochemistry of Hormones	<input checked="" type="checkbox"/> Theoretical, <input type="checkbox"/> Practical	<b>Credit:</b> ۳ credits <b>Code N:</b> ۱۰										
<b>Prerequisite:</b> _____	<b>Day &amp; Time:</b> Sunday: ۱۰-۱۲	<b>Course type:</b>										
<b>Instructor:</b>	<b>Office address:</b>	<b>Tel:</b>										
<b>Email:</b> ali.noori1371@gmail.com	<b>Response Hours and Days:</b>	<b>Student representative name and mobile number:</b>										
<b>Main objective:</b> Familiarity with the biosynthesis, regulation, mechanism of action, biochemical role, and clinical application of hormones.												
<b>References (Text books):</b> References for this Course: Primary Reference: ۱. William J. Marshall, Marta Lapsley, Andrew Day, Kate Shipman, Clinical Chemistry. Elsevier Health Sciences. Reference for Hormone Signal Transduction Mechanisms: 2. Kennelly, P. J ., Rodwell, V. W ., Botham, K. M ., Bender, D ., Weil, P. A. Harper's Illustrated Biochemistry.												
<b>Student evaluation and the value related to each evaluation:</b> (The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%;">ASSESSMENT TOOLS</th> <th style="width: 30%;">From</th> </tr> </thead> <tbody> <tr> <td>Assignments</td> <td>1</td> </tr> <tr> <td>Presence in online courses</td> <td>۱</td> </tr> <tr> <td>Final Exam (Written exam)</td> <td>۱۸</td> </tr> <tr> <td><b>TOTAL MARKS</b></td> <td><b>20</b></td> </tr> </tbody> </table>			ASSESSMENT TOOLS	From	Assignments	1	Presence in online courses	۱	Final Exam (Written exam)	۱۸	<b>TOTAL MARKS</b>	<b>20</b>
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<b>TOTAL MARKS</b>	<b>20</b>											
<b>Students responsibilities:</b>  <b>1- Mobile phones must be turned off during class or exams.</b>  <b>2- Attending class on time</b>  <b>3- It is necessary for the student to attend all class hours. Unexcused absence during the course will result in a grade deduction.</b>												
<b>Discipline and educational rules:</b>  It is applied according to the regulations of the educational regulations												

Row	date	Time	Topic	Professor
1	Sunday	10-12	Structure and Classification of Hormones	Dr.Nouri
2	Sunday	10-12	Overview of Hormone Measurement Methods	Dr.Nouri
3&4	Sunday	10-12	Overview of the Production and Operation of Diagnostic Kits for Hormones	Dr.Nouri

<b>5&amp;6</b>	Sunday	10-12	Types of Receptors and Hormone Signal Transduction Mechanisms, Hormone-Receptor Interactions	Dr.Nouri
<b>7</b>	Sunday	10-12	Hypothalamic and Pituitary Hormones, Mechanism of Action, Disorders, and Laboratory Evaluation	Dr.Nouri
<b>8</b>	Sunday	10-12	Thyroid Hormones, Biochemical and Physiological Functions, Disorders, and Laboratory Evaluation	Dr.Nouri
<b>9</b>	Sunday	10-12	Calcium and Phosphate Regulating Hormones, Disorders, and Laboratory Evaluation	Dr.Nouri
<b>10&amp;11</b>	Sunday	10-12	Adrenal Gland Hormones (Cortical and Medulla), Disorders, and Laboratory Evaluation	Dr.Nouri
<b>12</b>	Sunday	10-12	Pancreatic Hormones, Mechanism of Action, Disorders, and Laboratory Evaluation	Dr.Nouri
<b>13</b>	Sunday	10-12	Hormonal Disorders of the Digestive System	Dr.Nouri
<b>14</b>	Sunday	10-12	Sexual Gland Hormones, Disorders, and Laboratory Evaluation	Dr.Nouri
<b>15</b>	Sunday	10-12	Adipose Tissue Hormones and Related Disorders	Dr.Nouri
<b>16</b>	Sunday	10-12	Hematopoietic Hormones and Related Disorders	Dr.Nouri