**Course Description**

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| **Faculty** | **Pharmacy** | | | | | | |
| **Department** | **Clinical Pharmacy** | | | **Level** | | |  |
| **Course** | **Histology and Anatomy** | **Code** | **1702104** | **Prerequisite** | | | 0305112 |
| **Credit hours** | 3 | **Theoretical** |  | **Practical** | | |  |
| **Coordinator** | Einas Al Manasrah | **Email** |  | | | | |
| **Teachers** | Abeer Kharshid | **Emails** |  | | | | |
| **Lecture Time** |  | **Place** |  | | **Attendance mode** |  | |
| **Semester** |  | **Preparation date** |  | | **Modification Date** |  | |

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| **Abstracted Course Description** |
| This course provides a comprehensive exploration of human histology and anatomy with a specific focus on relevance to pharmacy practice. Students will gain a detailed understanding of the structure and function of organs and tissues, emphasizing their significance in pharmacology and pharmaceutical applications |
| **Course Goals** |
| * To establish a foundational knowledge of human histology and anatomy. * To correlate anatomical structures with their physiological functions. * To understand the relevance of histology and anatomy to pharmacy practice. * To provide a basis for understanding drug interactions with anatomical structures |

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| **CILOs** |
| **Knowledge** |
| a1. Describe the microscopic structure of tissues and organs.  a2. Identify major anatomical structures relevant to pharmacy.  a3. Understand the anatomical basis of physiological functions.  a4. Recognize the relevance of histology and anatomy in drug interactions. |
| **Skills** |
| b1. Interpret histological slides and identify cellular structures.  b2. Correlate anatomical knowledge with pharmacological concepts.  b3. Apply anatomical understanding to predict drug effects.  b4. Analyze the impact of anatomical variations on drug responses. |
| **Competencies** |
| c1. Demonstrate proficiency in histological analysis.  c2. Apply anatomical knowledge to predict and explain drug interactions.  c3. Develop a comprehensive understanding of the anatomical basis of drug action.  c4. Communicate effectively about anatomical and histological concepts. |
| **Learning Methods** |
| * Lectures covering histological and anatomical principles. * Case studies and group discussions on anatomical applications. * Interactive discussions on the correlation between anatomy and pharmacology. |
| **Evaluation Tools** |
| Quizzes, Midterm exam, Final Exam |

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| **Week** | **Topics** | **Learning methods** | **Evaluation tool** | **ILOs** | **Hours** |
| **1.** | Introduction | Practical exercises | Quizzes | A1,2b4 | **3** |
| **2.** | Tissues | Practical exercises | Midterm exam | A4,3 | **3** |
| **3.** | Skin | Practical exercises | Midterm exam | A2,1 | **3** |
| **4.** | Skeletal System | Case studies | Midterm exam | A4b2 | **3** |
| **5.** | Muscular system | Case studies | Midterm exam | B3,1 | **3** |
| **6.** | Nervous System and the Special Senses | Case studies | Midterm exam | C1,c2 | **3** |
| **7.** | Cardiovascular System | Lectures | Midterm exam | C4,2b4 | **3** |
| **8.** | Midterm Exam | Lectures |  | A1,4,3 | **3** |
| **9.** | Lymphatic System | Lectures | Midterm exam | A1,2 | **3** |
| **10.** | Respiratory System | Lectures |  | B3,4 | **3** |
| **11.** | Digestive System | Lectures | Midterm exam | C1,4 | **3** |
| **12.** | Urinary System | Lectures |  | A1b2 | **3** |
| **13.** | Endocrine System | Lectures | Final Exam | A2,b3 | **3** |
| **14.** | Reproductive System | Lectures | Final Exam | B1,2 | **3** |
| **15.** | Final Exam |  | Final Exam |  | **2** |

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| **Plan of Course Evaluation** | | | | | | | | | | | |
| **Evaluation Tools** | | **Mark** | **ILOs** | | | | | | | | |
| **A1** | **A2** | **A3** | **B1** | **B2** | **B3** | **C1** | **C2** | **C3** |
| **First Exam (Mid-term)** | | **30%** | \* |  | \* |  | \* |  |  |  | \* |
| **Second Exam (If available)** | |  |  |  |  |  |  |  |  |  |  |
| **Final Exam** | | **50%** | \* | \* | \* |  |  | \* | \* | \* |  |
| **Activities** | | **20%** |  | | | | | | | | |
| **Activities Evaluation** | Homework/Tasks | 10% |  |  | \* | \* | \* |  | \* |  |  |
| Case Study |  |  |  |  |  |  |  |  |  |  |
| Discussion and Interactions |  |  |  |  |  |  |  |  |  |  |
| Group Activities |  |  |  |  |  |  |  |  |  |  |
| Laboratory Exams |  |  |  |  |  |  |  |  |  |  |
| Presentations |  |  |  |  |  |  |  |  |  |  |
| Quizzes | 10% |  | \* | \* |  | \* | \* |  |  | \* |
| Others |  |  |  |  |  |  |  |  |  |  |
| **Total** | | 100% |  |  |  |  |  |  |  |  |  |

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| **Components** | |
| **Book** |  |
| **References** |  |
| **Recommended Readings** |  |
| **Electronic materials** |  |
| **Other websites** |  |