**Course Description**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Faculty** | **Pharmacy** | | | | | | |
| **Department** | **Clinical Pharmacy** | | | **Level** | | |  |
| **Course** | **Therapeutics 3** | **Code** | **1702500** | **Prerequisite** | | | 17024808 |
| **Credit hours** |  | **Theoretical** |  | **Practical** | | |  |
| **Coordinator** | Einas Al Manasrah | **Email** |  | | | | |
| **Teachers** | Abeer Kharshid | **Emails** |  | | | | |
| **Lecture Time** |  | **Place** |  | | **Attendance mode** |  | |
| **Semester** |  | **Preparation date** |  | | **Modification Date** |  | |

|  |
| --- |
| **Abstracted Course Description** |
| Pharmacotherapy of infectious diseases in relation to the pathophysiologic conditions of the patient. Pharmacotherapy of disease states special for woman such as (infertility, post-menopause, pregnancy, delivery, lactation, contraception), and cases special for men such as (prostate diseases, impotence and infertility), in relation to the pathophysiologic conditions of the patient. Pharmacotherapy certain therapeutic situations that include diseases or disorders involving more than one system in the body especially critical care cases. A comprehensive view that takes into consideration the interactions of various diseases in the therapy of a patient. |
| **Course Goals** |
| * To comprehend the pharmacotherapy of infectious diseases. * To apply pharmacotherapy principles to disease states specific to women. * To apply pharmacotherapy principles to disease states specific to men. * To address therapeutic challenges in complex, multi-system disorders. * To understand the holistic view of patient therapy, considering disease interactions. |

|  |
| --- |
| **CILOs** |
| **Knowledge** |
| a1. Understand the pharmacotherapy of infectious diseases.  a2. Analyze the pharmacotherapy of disease states specific to women.  a3. Analyze the pharmacotherapy of disease states specific to men.  a4. Comprehend therapeutic strategies for complex, multi-system disorders. |
| **Skills** |
| b1. Apply pharmacotherapy principles to infectious diseases.  b2. Apply pharmacotherapy principles to women's health issues.  b3. Apply pharmacotherapy principles to men's health issues.  b4. Demonstrate proficiency in addressing therapeutic challenges in critical care |
| **Competencies** |
| c1. Make informed pharmacotherapeutic decisions for infectious diseases.  c2. Apply personalized pharmacotherapy in women's health contexts.  c3. Apply personalized pharmacotherapy in men's health contexts.  c4. Navigate and address therapeutic challenges in complex, multi-system disorders. |
| **Learning Methods** |
| * Lectures and case studies on infectious diseases pharmacotherapy. * Discussions and case analyses on women's and men's health pharmacotherapy. |
| **Evaluation Tools** |
| Quizzes, Midterm exam, Final Exam |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Week** | **Topics** | Learning methods | Evaluation tool | ILOs | Hours |
| **1.** | Introduction: Clinical pharmacology of cancer | Practical exercises | Quizzes | A1,2b4 | 3 |
| **2.** | General principles of cancer chemotherapy | Practical exercises | Midterm exam | A4,c2 | 3 |
| **3.** | Supportive care for cancer patients  1: Emesis/2: infections + myeloid growth factors | Practical exercises | Midterm exam | A2,4 | 3 |
| **4.** | 3: Anemia/4: VTE, miscellaneous ADRs of chemotherapy | Case studies | Midterm exam | A4c2 | 3 |
| **5.** | Portal hypertension & cirrhosis | Case studies | Midterm exam | B3,2,1 | 3 |
| **6.** | Viral hepatitis | Case studies | Midterm exam | C1,c2 | 3 |
| **7.** | Inflammatory bowel disease | Lectures | Midterm exam | C4,2b4 | 3 |
| **8.** | Midterm Exam | Lectures |  | A1,4,3 | 3 |
| **9.** | Depressive disorders  Types- Diagnosis- DSM-V | Lectures | Midterm exam | A1,2 | 3 |
| **10.** | Treatment of MDD/ Pharmacotherapy of MDD | Lectures |  | B3,4 | 3 |
| **11.** | Anxiety disorders (GAD, SAD, Panic Disorder, Phobias) | Lectures | Midterm exam | C1,4 | 3 |
| **12.** | Anxiety Disorders (PTSD, OCD) | Lectures |  | A1b2 | 3 |
| **13.** | Sleep disorders | Lectures | Final Exam | A2,b3 | 3 |
| **14.** | Alzheimer's disease / Epilepsy | Lectures | Final Exam | B1,c4 | 3 |
| **15.** | Final Exam |  | Final Exam |  | 2 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Plan of Course Evaluation** | | | | | | | | | | **Evaluation Tools** | | **Mark** | **ILOs** | | | | | | |  |  |  |  |  |  | | **First Exam (Mid-term)** | |  |  |  |  |  |  |  | | **Second Exam (If available)** | |  |  |  |  |  |  |  | | **Final Exam** | |  |  |  |  |  |  |  | | **Activities** | |  |  | | | | | | | **Activities Evaluation** | Homework/Tasks |  |  |  |  |  |  |  | | Case Study |  |  |  |  |  |  |  | | Discussion and Interactions |  |  |  |  |  |  |  | | Group Activities |  |  |  |  |  |  |  | | Laboratory Exams |  |  |  |  |  |  |  | | Presentations |  |  |  |  |  |  |  | | Quizzes |  |  |  |  |  |  |  | | Others |  |  |  |  |  |  |  | | **Total** | |  |  |  |  |  |  |  |   **Components** | |
| **Book** |  |
| **References** |  |
| **Recommended Readings** |  |
| **Electronic materials** |  |
| **Other websites** |  |