**Course Description**

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| **Faculty** | **Pharmacy** | | | | | | |
| **Department** | Clinical pharmacy | | | **Level** | | |  |
| **Course** | Therapeutics II | **Code** | **1702408** | **Prerequisite** | | | 1702402 |
| **Credit hours** | 2 | **Theoretical** |  | **Practical** | | |  |
| **Coordinator** | Dr. Enas Al-Manasreh | **Email** |  | | | | |
| **Teachers** |  | **Emails** |  | | | | |
| **Lecture Time** |  | **Place** |  | | **Attendance mode** |  | |
| **Semester** |  | **Preparation date** |  | | **Modification Date** |  | |

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| **Abstracted Course Description** |
| This course involves description of the most important and prevalent gynecologic and  obstetric disorders in addition to the most common diseases in pediatrics and geriatrics. The  etiology, epidemiology, pathogenesis, clinical presentation, stages and classification, lab  screening and diagnostic procedures are included. In addition, the course involves  therapeutic management of these diseases that includes designing most effective and safe  therapeutic regimens with proper medication in the right dose, route and frequency, all  according to current best evidence (evidence-based medicine), in addition nonpharmacologic interventions, life-style modifications, and patient education. Monitoring for effectiveness and adverse effects is also included. There is emphasis in the course on teaching the student how to use useful databases, formal webpages, and mobile applications and how to self-learn post-graduation. |
| **Course Goals** |
| 1. Understanding Disease Characteristics 2. Drug Therapy Selection\ 3. Dosage Form and Administration 4. Defining Pharmacotherapy Goals 5. Patient and Staff Counseling 6. Monitoring Drug Efficacy and Toxicity |

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| **CILOs** | | | | | | |
| **Knowledge** | | | | | | |
| A.1 Know how to use the obtained knowledge to solve treatment problems associated with different diseases and problems linked to medications.  A.2 Know and implement drug therapy regimen specific for each patient taking into account patient-relevant considerations and population difference.  A.3 Know the clinical presentations and the differential lab and physical examinations of different diseases. | | | | | | |
| **Skills** | | | | | | |
| B.1 Calculate the drug doses and infusion rates.  B.2 Determine the dosing period  B3 applicable techniques to adjust drug therapy regimen and monitor the provided intervention.  . | | | | | | |
| **Competencies** | | | | | | |
| C.1 Use evidence-based medicine to think critically.  C.2 Provide appropriate counseling about patients' pharmacological and non-pharmacological therapy  C3. . Data collection and presentation techniques | | | | | | |
| **Learning Methods** | | | | | | |
| Lecture material and notes ,Homework and Assignments, Projects, Presentation | | | | | | |
| **Evaluation Tools** | | | | | | |
| Exams,Presentation, project, assignments. | | | | | | |
| **Week** | **Topics** | **Learning methods** | **Evaluation tool** | **ILOs** | **Hours** |
| **1.** | Introduction syllabus | Lecture material and notes | Exams | **A1,a2,b1,b2,c1** | **3** |
| **2.** | Hormone Therapy in Women | Lecture material and notes | Exams | **A1,a2,b1,b2,c1** | **3** |
| **3.** | Contraception | Lecture material and notes | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **4.** | Pregnancy and Lactation: Therapeutic Considerations | Lecture material and notes | Exams | **A1,a2,b1,b2,c1** | **3** |
| **5.** | Infertility | Homework and Assignments, Projects |  | **A2,a3,b1,b3,c2,c3** | **3** |
| **6.** | Osteoporosis | Homework and Assignments, Projects | Exams | **A1,a2,b1,b2,c1** | **3** |
| **7.** | Geriatric drug use | Homework and Assignments, Projects | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **8.** | Geriatric neurocognitive disorders | Homework and Assignments, Projects |  | **A1,a2,b1,b2,c1** | **3** |
| **9.** | Geriatric urologic disorders | Homework and Assignments, Projects | Exams | **A1,a2,b1,b2,c1** | **3** |
| **10.** | Pediatric pharmacotherapy | Lecture material and notes |  | **A2,a3,b1,b3,c2,c3** | **3** |
| **11.** | Pediatric nutrition |  |  | **,A1,a2,a3,b1,b2,c1,b3,c2,c3** | **3** |
| **12.** | Common pediatric illness | Homework and Assignments, Projects | Assignments | **A2,a3,b1,b3,c2,c3** | **3** |
| **13.** | Cystic fibrosis | Projects | Assignments | **A1,a2,b1,b2,c1** | **3** |
| **14.** | Case discussion | Projects | Assignments | **A2,a3,b1,b3,c2,c3** | **3** |
| **15.** | **F**inal Exams | | | |  |
| **16.** |  |  |  |  |  |

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| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Plan of Course Evaluation** | | | | | | | | | | **Evaluation Tools** | | **Mark** | **ILOs** | | | | | | |  |  |  |  |  |  | | **First Exam (Mid-term)** | | **30%** | **A1,a2,b1,b2,c1** |  |  |  |  |  | | **Second Exam (If available)** | |  |  |  |  |  |  |  | | **Final Exam** | | **50%** | **A1,a2,a3,b1,b2,c1,b3,c2,c3** |  |  |  |  |  | | **Activities** | |  |  | | | | | | | **Activities Evaluation** | Homework/Tasks | 10% | **a3,b1,b2, b3,c2** |  |  |  |  |  | | Case Study |  |  |  |  |  |  |  | | Discussion and Interactions |  |  |  |  |  |  |  | | Group Activities |  |  |  |  |  |  |  | | Laboratory Exams |  |  |  |  |  |  |  | | Presentations |  |  |  |  |  |  |  | | Quizzes | 10% | **a3,b1,b2,** |  |  |  |  |  | | Others |  |  |  |  |  |  |  | | **Total** | | 100% | **A1,a2,a3,b1,b2,c1,b3,c2,c3** |  |  |  |  |  |   **Components** | |
| **Book** | Pharmacotherapy: A Pathophysiological Approach. Joseph DiPiro *et al*, 9th edition, 2014. Disease management guidelines (specified in lecture notes)  3. Koda-Kimble and Young's Applied Therapeutics: The Clinical Use of Drugs, 10th  edition, 2013.  4.Pharmacotherapy Handbook. Barbara Wells et al., 9th edition, 2015 |
| **References** |  |
| **Recommended Readings** |  |
| **Electronic materials** |  |
| **Other websites** |  |

**Subject Coordinator:**

**Head of Curriculum Committee:**

**Department Head:**

**Faculty Dean:**

**Last update date:**