**Course Description**

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| **Faculty** | **Pharmacy** | | | | | | |
| **Department** | **Clinical Pharmacy** | | | **Level** | | |  |
| **Course** | Over the counter | **Code** | 1702404 | **Prerequisite** | | | 1702332 |
| **Credit hours** | 3 | **Theoretical** |  | **Practical** | | |  |
| **Coordinator** | Dr. Manal Al soub | **Email** |  | | | | |
| **Teachers** |  | **Emails** |  | | | | |
| **Lecture Time** |  | **Place** |  | | **Attendance mode** |  | |
| **Semester** |  | **Preparation date** |  | | **Modification Date** |  | |

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| **Abstracted Course Description** |
| This course enables pharmacy students to follow health care practitioners, and consumers by making available comprehensive, convenient and easy-to-use compilation of information on nonprescription drugs and drug products. Students practice interviewing and counseling skills, and continue to develop their skills in over the counter drugs (OTC) counseling with new topics, including some alternative medicine. Emphasis will be placed on mechanism(s) of action of the various drug classes, body system(s) affected, clinical manifestations of problems and the resulting adverse effects. |
| **Course Goals** |
| 1-Enable students to efficiently grasp the clinical features of various diseases. 2-Provide insights into the principles of drug action for each non-prescription drug. 3-Ensure students are familiar with generic names of key non-prescription drugs.  4-Cover mechanisms of pharmacologic action, therapeutic uses, adverse effects, precautions, and contraindications for each drug class. |

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| **CILOs** | | | | | |
| **Knowledge** | | | | | |
| A.1 To increase students’ knowledge of non-prescription products and the monitoring devices used at home and available in the Jordanian market  A.2 To provide students with the needed knowledge to recommend specific non-prescription products and/or other modes of care to alleviate specific conditions.  A.3 knowledge to differentiate between rational and irrational use of nonprescription products | | | | | |
| **Skills** | | | | | |
| * B.1 To be able to differentiate between symptoms warranting the supervision of a medical doctor and those that can be self-treated * B.2 To be able to recommend a specific OTC product suitable for each symptom presented to the pharmacist * B3 being able to deal with special populations of patients and provide the necessary counseling (i.e. geriatric patients, cases of comorbidity or polypharmacy)   . | | | | | |
| **Competencies** | | | | | |
| C.1 Practical skills of (e.g. use of In-home testing and monitoring devices).  C.2 Practical skills of pharmacist-patient communication skills.  C.3 Practical skills of being able to differentiate between rational and irrational use of OTC products  . | | | | | |
| **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.** | **CNS diseases**  Headache  Fever  Insomnia  Musculoskeletal Injuries and Disorders  Fatigue and drowsiness | lectures | Quiz | **A1,a2,b1,b2,c1** | **3** |
| **2.** | **Respiratory diseases**  Allergic Rhinitis  Cough  Common cold | lectures | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **3.** | **Gastrointestinal diseases**  Constipation  Diarrhea  Dyspepsia  Heartburn  Nausea and vomiting  Anorectical disorders  Intestinal gases |  | Quiz | **A1,a2,b1,b2,c1** | **3** |
| **4.** | **Nutrition and Nutritional Supplementation**  Essential and Conditionally Essential Nutrients  Functional and Meal Replacement Foods  Sports Nutrition and Performance-Enhancing Nutrients  Infant Nutrition and Special Nutritional Needs of Children  Overweight and Obesity | Homework and Projects, Presentation | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **5.** | **Ophthalmic Disorders**  Allergic conjunctivitis  Dry Eyes  Prevention of Contact Lens-Related Disorders  Irrigating solutions for eyes | lectures | Exams | **A1,a2,b1,b2,c1** | **3** |
| **6.** | **Otic diseases**  Impacted ear cerumen  Water clogged ears | lectures | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **7.** | **Oral diseases**  Dental caries  Tooth hypersensitivity  Mouth ulcers  Denture stomatitis  Bad breath |  |  | **A1,a2,b1,b2,c1** | **3** |
| **8.** | **Dermatological diseases**  Acne  Psoriasis  Contact dermatitis  Hair loss  Abnormal air growth  Napkin dermatitis  Dry skin  Sun –induced skin diseases  Prickly heat  Vilitigo  Dandruff  Sebohrric dermatitis  Corns and calluses  Insect Bites and Stings and Pediculosis  Skin Hyperpigmentation  Photoaging | Homework and Projects, Presentation | Exams | **A1,a2,b1,b2,c1** | **3** |
| **9.** | **Reproductive diseases**  Contraceptives  Pregnancy tests | lectures | Assignments, | **A2,a3,b1,b3,c2,c3** | **3** |
| **10.** | Revision | Projects, Presentation | Exams | **,A1,a2,a3,b1,b2,c1,b3,c2,c3** | **3** |
| **11.** | Revision | Projects, Presentation | Exams | **A2,a3,b1,b3,c2,c3** | **3** |
| **12.** | Revision | Projects, Presentation | Exams | **A1,a2,b1,b2,c1** | **3** |
| **13.** | Revision | Projects, Presentation | Exams | **,A1,a2,a3,b1,b2,c1,b3,c2,c3** | **3** |
| **14.** |  |  |  |  |  |
| **15.** | **Final exam** | | | |  |
| **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% | B1.B2,B3C1 |  |  |  |  |  | | Case Study |  |  |  |  |  |  |  | | Discussion and Interactions |  |  |  |  |  |  |  | | Group Activities |  |  |  |  |  |  |  | | Laboratory Exams |  |  |  |  |  |  |  | | Presentations |  |  |  |  |  |  |  | | Quizzes | 10% | C2,C3A1 |  |  |  |  |  | | Others |  |  |  |  |  |  |  | | **Total** | | 100% | **,A1,a2,a3,b1,b2,c1,b3,c2,c3** |  |  |  |  |  |   **Components** | |
| **Book** | * Handbook of Nonprescription Drugs; American Pharmaceutical Association / The National Professional Society of Pharmacists, 1990. * *Comprehensive Pharmacy Review*; L. Shargel, A.H. Mutnick, P.F. Souney and L. Swanson. Lippincott Williams & Wilkins, 2001. * *Non-Prescription Drugs*: L. Alain and W. Po, Blackwell Scientific Publications, 1982. |
| **References** |  |
| **Recommended Readings** |  |
| **Electronic materials** |  |
| **Other websites** |  |

**Subject Coordinator:**

**Head of Curriculum Committee:**

**Department Head:**

**Faculty Dean:**

**Last update date:**