

نموذج رقم (١٢)

جامعة: Mansoura

كلية: Nursing

قسم: Gerontological Nursing

توصيف مقرر دراسي

١ - بيانات المقرر		
2 nd level (3 rd Semester)	Pharmacology علم أدوية	الرمز الكودي: MSc 303
3 credit hours —	نظري عملي	التخصص: B.Sc. in Nursing credit hour system

<p>This course aims to provide students with basic knowledge of different types and categories of pharmaceutical products and its various different forms as well as of medication administration. This course focuses on the effects of pharmaceutical drugs on the various organs of the body and uses each of them in the treatment of various diseases and the drug interactions in addition to the factors that impact on the effectiveness of medicines.</p>	٢ - هدف المقرر:
٣ - المستهدف من تدريس المقرر :	
<p>A1. Define basic concepts related to pharmacology A2. Discuss the pharmacokinetics and pharmaco-dynamics of the different drug classes A3. List the different drug classes and mechanisms of action A4. Identify the principles of administrating medications A5. Discuss factors influencing persistence, distribution, metabolism, and exertion of drugs from the body. A6. Describe advantage and disadvantage of common routes of administration. A7. Mention the legal responsibilities of the nurse regarding drug therapy</p>	أ - المعلومات والمفاهيم:

<p>A8. Identify the drugs affecting the central Nervous system</p> <p>A9. Discuss the drugs affecting the autonomic nervous system</p> <p>A10. Describe the drugs affecting the endocrine system</p> <p>A11. Mention the drugs used to treat infections</p> <p>A12. Recognize the drugs affecting the immune system</p> <p>A13. Discuss drugs affecting the respiratory system</p> <p>A14. Describe drugs affecting the cardiovascular system</p> <p>A15. Identify drugs affecting the digestive system</p> <p>A16. Describe drugs used in dermatologic conditions</p> <p>A17. Classify antineoplastic drugs</p> <p>A18. Discuss drug used in ophthalmic conditions</p> <p>A19. Identify the use of drugs in special conditions (Children-Elderly).</p>	
<p>B1. Distinguish between different drug classes</p> <p>B2. Calculate the required doses of different medications according to the patient characteristics</p> <p>B3. Predict the risk/ benefit ratio as a base to initiate, discontinue, or avoid drug administration</p> <p>B4. Integrate nursing process, drug therapy and clinical pathway</p> <p>B5. Select the appropriate route of drug administration according to patient's condition</p> <p>B6. Design nursing process to patients receiving medication</p>	<p>ب- المهارات الذهنية الخاصة بالمقرر:</p>
<p>_____</p>	<p>ج- المهارات المهنية الخاصة بالمقرر:</p>
<p>D1. Present information about pharmacological aspects effectively</p> <p>D2. Writ clear instructions on medication administration</p> <p>D3. Transform ideas based on scientific information</p> <p>D4. Differentiate between chemical, generic and trade names of drug Products</p>	<p>د- المهارات العامة:</p>

<p>D5. Apply principles of drug calculation</p> <p>D6. Apply the principles and precaution of patient safety during delivery of medication</p> <p>D7. Accept honestly in all interactions with colleagues and health care Professionals</p>	
<p>E1. Appreciate the patient values and preference in relation to medication administration</p> <p>E2. Incorporate culturally appropriate nursing measures into client's drug therapy program.</p>	
<p>Unite I: I-Introduction to pharmacology</p> <ul style="list-style-type: none"> • Source of drugs • Drug nomenclature manufactures • Basic concepts and process • Mechanisms of drug action • Pharmacokinetics and pharmaco-dynamics • Variables that affect drug interactions • Nursing process in drug therapy • Administrating medication <p>Unite II- Calculations of drugs in nursing</p> <p>Unite III- Applied Pharmacology</p> <ul style="list-style-type: none"> • Drugs affecting the central Nervous system • Drugs affecting the autonomic nervous system • Drugs affecting the endocrine system • Drugs used to treat infections • Drugs affecting the immune system • Drugs affecting the respiratory system • Drugs affecting the cardiovascular system 	<p>٤ - محتوى المقرر:</p>

<ul style="list-style-type: none"> • Drugs affecting the digestive system • Drugs in special conditions (Children-Elderly) • Drug used in dermatologic conditions • Antineoplastic drugs • Drug used in ophthalmic conditions 	
<p>1- Interactive Lectures 2- Small group work</p>	<p>٥- أساليب التعليم والتعلم :</p>
<p>Not applicable</p>	<p>٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة :</p>
<p>٧- تقويم الطلاب:</p>	
<p>1- Semester summative assessment that include: A- Assignment report B- Quizzes</p> <p>2- Summative assessment that include: A- Oral examination B- Written examination</p>	<p>أ- الأساليب المستخدمة:</p>
<p>1- Semester formative assessment</p>	
<p>a- Assignment report</p>	<p>2th up to 24th week</p>
<p>b- Quizzes:</p>	
<p>b1-Quizze 1</p>	<p>5th week</p>
<p>b2-Quizze2</p>	<p>10th week</p>
<p>2- Final Summative assessment</p>	
<p>a- Oral examination</p>	<p>16th week</p>
<p>b- Written examination</p>	<p>16th week</p>
<p>1-Semester summative evaluation</p>	
<p>a- Assignment report</p>	<p>30 marks (10%) ج- توزيع الدرجات:</p>

b- Quizzes	30 marks (10%)	
b1-Quizze 1	15 marks (5%)	
b2-Quizze2	15 marks (5%)	
2- Final summative evaluation		
a- Oral examination	60 marks (20%)	
b- Written examination	180 marks (60 %)	
Total	300 (100%)	
٨- قائمة الكتب الدراسية والمراجع :		
_____		أ- مذكرات
_____		ب- كتب ملزمة:
<ul style="list-style-type: none"> Gatford J, Phillips N. nursing drug Callculations. 7th ed., New york: Churchill livingstone, 2006. Richard A. Lehne . Pharmacology for nursing care. 8th ed., Elsevier company, 2013. 		ج- كتب مقترحه:
_____		د- دوريات علمية أو نشرات .. الخ

Dr. Aziza Mahmoud

Assist. Prof .Dr. Karima Elshamy

أستاذ المادة:

رئيس مجلس القسم العلمي: