

نموذج رقم (12)

جامعة: Mansoura

كلية: Nursing

قسم: Gerontological Nursing

توصيف مقرر دراسي

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

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.	2- هدف المقرر:
By the end of the course the candidate will be able to:	3- المستهدف من تدريس المقرر
A1. Define basic concepts related to pharmacology A2. Mention 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. List factors influencing persistence, distribution, metabolism, and exertion of drugs from the body. A6. Mention advantages and disadvantages of common routes of	أ- المعلومات والمفاهيم:

<p>administration.</p> <p>A7. Identify the drugs affecting the central Nervous system</p> <p>A8. Define the drugs affecting the autonomic nervous system</p> <p>A9. Describe the drugs affecting the endocrine system</p> <p>A10. Mention the drugs used to treat infections</p> <p>A11. Recognize the drugs affecting the immune system</p> <p>A12. Identify drugs affecting the respiratory system</p> <p>A13. Describe drugs affecting the cardiovascular system</p> <p>A14. Identify drugs affecting the digestive system</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. Write 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>D5. Apply principles of drug calculation</p> <p>D6. Apply the principles and precaution of patient safety during delivery of</p>	<p>د- المهارات العامة:</p>

<p>medication</p> <p>D7. Use computers effectively in reaching biomedical information to remain current with advances in knowledge and practice.</p> <p>D8. Present information clearly in written, electronic and verbal forms.</p>	
<p>E1. Appreciate the patient values and preference in relation to medication administration</p> <p>E2. Integrate patients' bill of rights during drug administration</p> <p>E3. Apply the principles of confidentiality related to drug administration</p>	
<p>Unit I: I-Introduction to pharmacology</p> <ul style="list-style-type: none"> • 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>Unit II- Calculations of drugs in nursing</p> <p>Unit 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 respiratory system • Drugs affecting the cardiovascular system • Drugs affecting the digestive system 	<p>4- محتوى المقرر:</p>
<p>1- Interactive Lectures</p>	<p>5- أساليب التعليم</p>

2- Small group work	والتعلم :
According to the faculty procedures to caring for defaulters students	6- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة :
	7- تقويم الطلاب:
1- Semester summative assessment that include: A- Assignment report B- Midterm Exam 2- Summative assessment that include: A- Oral examination B- Written examination	أ- الأساليب المستخدمة:
1- Semester formative assessment a- Assignment report b- Midterm Exam 2- Final Summative assessment a- Oral examination b- Written examination	ب- التوقيت:
1-Semester summative evaluation a- Assignment report b- Midterm Exam 2- Final summative evaluation a- Oral examination b- Written examination Total	ج- توزيع الدرجات: 300 (100%)
	8- قائمة الكتب الدراسية والمراجع :
_____	أ- مذكرات
_____	ب- كتب ملزمة:

<ul style="list-style-type: none"> • Gatford J, Phillips N. nursing drug Calculations. 7th ed., New York: Churchill Livingstone, 2017. • Richard A. Lehne . Pharmacology for nursing care. 8th ed., Elsevier Company, 2013. • Katzuny, B.G. (2017). Basic and clinical pharmacology. Mc Grow-Hill Education, 2017 	<p>ج- كتب مقترحه:</p>
<p>_____</p>	<p>د- دوريات علمية أو نشرات .. الخ</p>

<p>مجلس رقم (134) بتاريخ 2014/6/18</p>	<p>معتد بموافقته مجلس الكليه</p>
<p>مجلس رقم (134) بتاريخ 2014/6/18</p>	<p>تم مراجعته وتحديثه طبقا للمعايير الاكاديميه القوميه المرجعيه بتاريخ</p>
<p>منسق المقرر د/ نادية حسن</p> 	<p>رئيس القسم العلمي أ.م.د/ سعاد حسن عبد الحميد</p> 