

نموذج رقم ( 12 )

جامعة: Mansoura

كلية: Nursing

قسم: Pediatric Nursing

توصيف مقرر دراسي

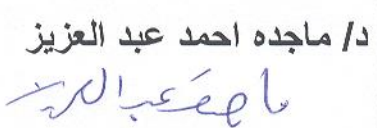
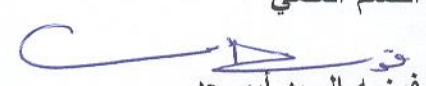
1- بيانات المقرر			
First level (First semester)	الفرقة/المستوى:	Bio-Physics فيزياء حيوية	اسم المقرر: MansNurPCSc105
1 credit hour -	عدد الساعات الدراسية:	نظري عملي	الرمز الكودي: B.Sc. in Nursing credit hour system
			التخصص:

This course aims to provide students with the biophysics skills necessary in the implementation of various nursing procedures.	2- هدف المقرر:
By the end of the course the candidate will be able to:	3- المستهدف من تدريس المقرر
A1. Define the general concepts and principles of physics A2. Identify the dynamics of fluids and gas A3. State different waves and sounds A4. Identify the types of lever and forces body mechanics and traction A5. Identify hazards and its effect on body functions. A6. Identify the changes of human body function that caused by different hazards A7. Mention the different types of X-rays A8. Identify the standard precautions used during X-rays	أ- المعلومات والمفاهيم:
B1. Analyze the different risk factors can leads to diseases. B2. Apply recommended strategies to deal with various risk factors lead to diseases B3. Synthesize knowledge derived from physics course for the	ب- المهارات الذهنية الخاصة بالمقرر:

<p>development of decision making in practice.</p> <p>B4. Differentiate between different types of: lever and force, body mechanism and traction.</p>	
<p>—</p>	<p>ج- المهارات المهنية الخاصة بالمقرر:</p>
<p>D1. Present data clearly with efficient time management.</p> <p>D.2 Present data by using appropriate audiovisual materials in formal way.</p> <p>D3. Communicate ideas and thoughts with staff members and colleges, in formal and respective way</p>	<p>د- المهارات العامة:</p>
<p>E1. Apply the principles of ethics in dealing with results.</p>	
<p><b><u>Unit 1</u></b></p> <ul style="list-style-type: none"> <li>• General concepts and principles of physics</li> <li>• Dynamics of fluids and gas</li> <li>• Waves and sounds</li> <li>• Types of lever and forces body mechanics and traction</li> <li>• Hazards effect on human body functions.</li> <li>• Changes of human body function that caused by different hazards</li> <li>• Light and optics</li> </ul> <p><b><u>Unit II</u></b></p> <ul style="list-style-type: none"> <li>• Nuclei and particle</li> <li>• types of X-rays</li> <li>• Standard precautions used during X-rays</li> </ul>	<p>4- محتوى المقرر:</p>
<p>Interactive Lectures</p>	<p>5- أساليب التعليم والتعلم :</p>

<p>According to the faculty procedures to caring for defaulters students Academic advising, remedial classes and assignments.</p>	<p>6- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة :</p>	
<p>7- تقويم الطلاب:</p>		
<p><b>1- Semester Summative Evaluation includes:</b> a- Assignment report b- Semester Written Examination <b>2- Summative assessment that include:</b> a- Oral examination b- Final Written examination</p>	<p>أ- الأساليب المستخدمة:</p>	
<p><b>1- Semester summative Evaluation</b></p>		
<p>a- Assignment report</p>	<p>2<sup>nd</sup> up to 12<sup>th</sup> week</p>	
<p>b- Semester written examination</p>	<p>7<sup>th</sup> week</p>	
<p><b>2- Final summative Evaluation</b></p>		
<p>a- Oral examination</p>	<p>16<sup>th</sup> week of semester</p>	
<p>b- Written examination</p>	<p>16<sup>th</sup> week of semester</p>	
<p><b>1-Semester summative Evaluation</b> a- Assignment report 30 (30%) b- Semester written examination 20 (20%) <b>2- Final Summative Evaluation</b> a- Oral examination 10 (10%) b- Written examination 40 (40%) <b>Total 100 (100%)</b></p>		<p>ب- التوقيت: ج- توزيع الدرجات:</p>
<p>8- قائمة الكتب الدراسية والمراجع</p>		

_____	أ- مذكرات
_____	ب- كتب ملزمة:
<ul style="list-style-type: none"> <li>- Smith1.C. (2016). Biophysics to bedside — the transition International Union for Pure and Applied Biophysics (IUPAB) and Springer-Verlag Berlin Heidelberg. Innovative Biodiagnostics Inc., Winnipeg R3R 2H2, Canada, <a href="https://link.springer.com/content/pdf/10.1007%2Fs12551-016-0202-1.pdf">https://link.springer.com/content/pdf/10.1007%2Fs12551-016-0202-1.pdf</a></li> <li>- Suresh K Sharma, (2014). Textbook of Biochemistry &amp; Biophysics for Nurses. Jaypee Brothers Medical Publishers, New Delhi, India</li> <li>- Bialek, W. (2012). <i>Biophysics: searching for principles</i>. Princeton University Press.</li> </ul>	ج- كتب مقترحه:
<ul style="list-style-type: none"> <li>• Kamath, N. (2018). Biophysical Markers in Prediction of Pih. <i>International Journal of Nursing Education</i>, 10(3).</li> <li>• <a href="http://electron9.phys.utk.edu/135/">http://electron9.phys.utk.edu/135/</a></li> <li>• <a href="http://www.nevis.columbia.edu/~phypharm/intro/intro.html">http://www.nevis.columbia.edu/~phypharm/intro/intro.html</a></li> <li>• <a href="http://www.youtube.com/watch?v=346Zb_OWX1U">http://www.youtube.com/watch?v=346Zb_OWX1U</a></li> </ul>	د- دوريات علمية أو نشرات .. الخ

مجلس رقم (134) بتاريخ 2014/6/18	معتمد بموافقته مجلس الكلية
مجلس القسم بتاريخ 2019/3/24	تم مراجعته وتحديثه طبقاً للمعايير الأكاديمية القومية المرجعية بتاريخ
منسق المقرر د/ ماجده احمد عبد العزيز 	رئيس القسم العلمي  أ.د/ فوزيه السيد أبوسعد