

نموذج رقم (١٢)

جامعة: Mansoura

كلية: Nursing

قسم: Pediatric Nursing

توصيف مقرر دراسي

١- بيانات المقرر		
First level (First Semester)	Bio-Physics فيزياء حيوية	CSc105
1 credit hours	نظري عدد الساعات الدراسية: عملي	B.Sc. in Nursing التخصص: credit hour system
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This course aims to provide students with the biophysics skills necessary in the implementation of various nursing procedures.	٢- هدف المقرر:
٣- المستهدف من تدريس المقرر :	
A1. Recognize the general concepts and principles of physics A2. identifies the dynamics of fluids and gas A3. identifies different waves and sounds A4. understands the types of lever and forces body mechanics and traction A5. identifies hazards and its effect on body functions. A6. Identifies the changes of human body function that caused by different hazards A7. Mentions the different types of X-rays A8. identifies the standard precautions used during X-rays	أ- المعلومات والمفاهيم:
B1. Analyzes the different factors can leads to diseases. B2. Applying recommended strategies to deal with various factors B3. Synthesizes knowledge derived from physics course for the development of decision making in practice. B4. Differentiate between different types of: lever and force, body	ب- المهارات الذهنية الخاصة بالمقرر:

mechanism and traction.	
—	ج- المهارات المهنية الخاصة بالمقرر:
D1. Presents data clearly with efficient time management. D.2 Presents data by using appropriate audiovisual materials in formal way. D3. Communicates ideas and thoughts with staff members and colleges, in formal and respective way	د- المهارات العامة:
E1. Apply the principles of ethics in dealing with results.	
<p><u>Unit 1</u></p> <ul style="list-style-type: none"> • General concepts and principles of physics • Dynamics of fluids and gas • Waves and sounds • Types of lever and forces body mechanics and traction • Hazards effect on human body functions. • Changes of human body function that caused by different hazards • Light and optics <p><u>Unit II</u></p> <ul style="list-style-type: none"> • Nuclei and particle • types of X-rays • Standard precautions used during X-rays 	٤- محتوى المقرر:
Interactive Lectures	٥- أساليب التعليم والتعلم :
Not applicable	٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة :
	٧- تقويم الطلاب:
<p>1- Semester Summative Evaluation includes:</p> <p>a- Assignment report</p>	أ- الأساليب المستخدمة:

b- Semester Written Examination		
2- Summative assessment that include:		
a- Oral examination		
b- Final Written examination		
1- Semester summative Evaluation		
a- Assignment report	2 nd up to 12 th week	
b- Semester written examination	7 th week	
2- Final summative Evaluation		
a- Oral examination	16 th week of semester	
b- Written examination	16 th week of semester	
1-Semester summative Evaluation		
a- Assignment report	30 (30%)	
b- Semester written examination	20 (20%)	
2- Final Summative Evaluation		
a- Oral examination	10 (10%)	
b- Written examination	40 (40%)	
Total		100 (100%)
ب - التوقيت:		
ج - توزيع الدرجات:		
٨ - قائمة الكتب الدراسية والمراجع :		
_____	أ - مذكرات	
_____	ب - كتب ملزمة:	
_____	ج - كتب مقترحه:	
<ul style="list-style-type: none"> • http://electron9.phys.utk.edu/135/ • http://www.nevis.columbia.edu/~phypharm/intro/intro.html • http://www.youtube.com/watch?v=346Zb_OWX1U 	د - دوريات علمية أو نشرات .. الخ	

Dr. Omayma Abosamra

أستاذ المادة:

Prof.Dr. Mohammed Elghazaly

رئيس مجلس القسم العلمى: