نموذج رقم (١٢)

جامعة: Mansoura

كلية: Nursing

قسم: community health nursing

توصيف مقرر دراسي

			١– بيانات المقرر
4th level 7th semester	**الفرقة/المستوى:**	Bio-Statistics مبادئ الإحصاء الحيوية **اسم المقرر:**	**الرمز الكودى:** CSc706
1 credit hour 1 credit hour	**نظري** **عملي**	**عدد الساعات الدراسية:**	**التخصص:** B.Sc. in Nursing credit hour system

This course aims to equip nursing student with basic knowledge and skills required to apply statistics to health services and studies	**٢– هدف المقرر:**
	٣– المستهدف من تدريس المقرر :
A1. Identify types of variables and coding techniques A2. Recognizes sources of variation in health science data A3. Mention the different methods of data presentation A4. Identify the sampling types and sampling techniques A5. Describe the application of various statistical analyses	**أ– المعلومات والمفاهيم:**
B1. Select the appropriate statistical analysis according to the type of variables and aim of the study B2. Calculate the sample size according to the available data and study design B3. Select the appropriate methods of data presentation B4. Reflect test of statistical significance according to the type of variables	**ب– المهارات الذهنية الخاصة بالمقرر:**
C1. Use the SPSS program in applications of statistical analysis C2. Document the results of statistical measures	**ج– المهارات المهنية الخاصة بالمقرر:**
D1. Use the soft ware of statistical analysis packages	**د– المهارات العامة:**

D2. Utilize the principles of problem solving in application of statistical analysis _____	
Unit I: Introduction to Biostatistics · Definition and purposes of biostatistics · Overview of bio- statistical design of health studies **Unit II: Collecting and handling of bio-statistical data** · Data collection and forms' design · Coding of data · Data entry by using statistical software (SPSS) · Descriptive biostatistics **Unit III: Presentation of statistical data** · Tabulation · Graphs and charts **Unit IV: Biostatistics rates** **Unit V: Demography and sampling techniques** **Unit VI: Measures of central tendency** **Unit VII: Measures of dispersion** **Unit VIII: Correlation (Pearson & Spearman correlation coefficient)** **Unit IX: Tests of significance** · T- test · X^2 square **Unite X: Method of recording and reporting and documentation techniques**	٤- محتوى المقرر:
1- Interactive Lectures 2- Small group work 3- Computer lab training 4- Project- Based Learning (PBL)	٥- أساليب التعليم والتعلم :

Not applicable	**٦ – أساليب التعليم والتعلم للطلاب ذوى القدرات المحدودة :**
	٧– تقويم الطلاب:
1- Semester summative evaluation: a- Project report b- Semester written examination **2- Summative final evaluation that include:** a- Multi-stations practical examination b- Final written examination	**أ– الأساليب المستخدمة:**

1- Semester summative assessment		**ب– التوقيت:**
a- Semester written examination	7th week	
b- Semester activities		
- Project report	14th week	
2- Final summative assessment		
b- Multi-stations practical examination	15th week	
c- Final written examination	16th week	

1- Semester summative evaluation		**ج– توزيع الدرجات:**
a- Semester written examination	40 marks (20%)	
b- Semester activities evaluation	**60 marks (30%)**	
- Project report	60	
2- Final summative evaluation		
a- Practical examination	20 marks (10%)	
c- Final summative assessment	80 marks (40 %)	
Total	**200 (100%)**	

	٨– قائمة الكتب الدراسية والمراجع :
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ب– كتب ملزمة:	ــــــــــــــــــ
ج– كتب مقترحه:	• Altman,D.G(1999):practical statistics for medical research .London . Chapman &Hall • Plichta,S.B And Garzon,L.S(2009): statisticsfor Nursing And Allied health.Philadelphia,Lippincott Williams&wilkins
د– دوريات علمية أو نشرات .. الخ	ــــــــــــــــــ

أستاذ المادة: Prof. Dr. Amel Ibrahim Ahmed

رئيس مجلس القسم العلمى: Assistant. Prof Dr. Amel Ibrahim Ahmed