نموذج رقم (12)

جامعة: Mansoura

كلية: Nursing

Eommunity Health Nursing:قسم

توصيف مقرر دراسي

					1-بيانات المقرر
4th level / 7 th					
semester of	الفرقة/المستوى	Biostatistics	اسم المقرر	CS c 706	الرمز الكودى
BSc.N Program					
1 credit hour		نظري		B.Sc. in	
		ä	عدد الساعات الدراسو	Nursing	التخصص
1 credit hour		یہ عملی		credit hour	3
				system	

This course aims to equip nursing student with basic knowledge and skills required to apply statistics to health services and studies	2-هدف المقرر
By the end of the course the candidate will be able to	3-المستهدف من تد
A.1-Describe the basic concepts of biostatistics and data analysis.	
A.2-Identify different methods of data collection	
A.3- Identify types of variables and coding techniques	
A.4- Identify SPSS program	أ-المعلومات
A.5- Describe the application of various descriptive statistical analyses.	والمفاهيم
A.6-Mention the different methods of data presentation	·
A.7-Identify uses and application of various inferential statistical	
analyses.	

و النظيم والأحداث	<u> </u>
A.8-Describe the concept of "Hypothesis Testing"	
A.9- Mention the importance and types of different biostatistics rates.	
A.10- Identify the sampling types and sampling techniques	
A.11-Mention the different methods of data documentation	
B.1- Choose appropriate technique for data collection.	
B.2-Determine possible modes of administration for the questionnaire.	
B.3-Differentiate between the different types of variables, questions and	
level of measurements.	
B.4-Check the error or missing in the data file.	
B.5- Select the appropriate methods of data presentation according to	
type of variable.	
B.6- Calculate measures of central tendency and measures of	ب-المهارات
dispersion.	ب-المهارات
B.7-Differentiate between alternative and null hypotheses	الذهنية
B.8- Compare between chi-square test (χ^2) , T-tests and One way	الخاصة
ANOVA uses and assumptions.	بالمقرر
B.9- Select appropriate statistical test to test hypothesis according to the	بالمقرر
type of variable	
B.10- Interpret dispersion of data and normal distribution curve.	
B.11- Interpret the significance of chi-square test χ^2 test, T-tests, and	
One way ANOVA test.	
B.12- Calculate the different bio-statistical rates	
B.13- Calculate the sample size according to the available data and	
study design	
C.1- Develop the format and layout of a questionnaire with correct list	ج-المهارات
of questions and units of measurement.	ج-المهارات المهنية الخاصة
C.2- Collect data from participant or respondent.	الخاصة
T	I.

	پیده انفومیه تصمال جودا
C.3- Code the different types of variables.	بالمقرر
C.4- Construct data file by 'defining' the variables using SPSS	
Program.	
C.5- Enter the data—that is, the values obtained from each participant	
or respondent for each variable.	
C.6- Correct the error or missing in the data file.	
C.7- Use SPSS Program for descriptive analysis of data.	
C.8- Obtain descriptive statistics for categorical variables using	
frequencies.	
C.9- Obtain descriptive statistics for continuous variables using	
descriptive.	
C.10- Use graphs and tables to describe and explore the data	
C.11- Edit a graph or chart to better suit needs.	
C.12- Import charts/graphs into Word documents	
C.13- Set up tabulations effectively into Word documents.	
C.14- Draw graphs/tables manually according to type of variable.	
C.15- Apply test of normality.	
C.16- Test hypothesis using chi-square test (χ^2) test, T-tests, and One	
way ANOVA test on SPSS Program.	
C.17-Document data scientifically	
D.1- Use information technology	
D.2- Utilize the principles of problem solving in application of	
statistical analysis	د-المهارات العامة
E.1- Apply the principles of privacy and information confidentiality of	
collected research data	
Unit I: Introduction to Biostatistics	7.11.07.4
• Definition and purposes of biostatistics	4-محتوى المقرر

ه التقليم والاعتماد	<i>ب</i> يئه القوميه لضمان جوده
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)	
Unit III: Presentation of statistical data	
Descriptive biostatistics	
• Tabulation	
Graphs and charts	
• Mathematical presentation (Measures of central tendency and	
Measures of dispersion)	
Unit IV: Inferential statistics	
• T- tests	
• One way ANOVA	
• X ² square	
Correlation coefficient	
Unit V: Biostatistics rates	
Unit VI: Sampling size	
Unit VII: Method of recording and reporting and documentation	
techniques	
1- Interactive Lectures	1
2- Small group work	5-أساليب التعليم والتعلم
3- Computer lab training	والتعلم
3- Project- Based Learning (PBL)	
N	6-أساليب التعليم
Not applicable	6-أساليب التعليم والتعلم للطلاب

الهيئة القومية لضمان جودة التعليم والاعتماد

	·	ذوى القدرات
		ذوى القدرات المحدودة
		7- تقويم الطلاب
1- Semester summative evaluation:		
a- Project report		
b- Semester written examination		أ- الأساليب المستخدمة
2- Summative final evaluation that include	de:	المستخدمة
a- Multi-stations practical examination		
b- Final written examination		
1- Semester summative assessment		
a- Semester written examination	7 th week	
b- Semester activities	14 th week	
- Project report		ب- التوقيت
2- Final summative assessment		
a- Multi-stations practical examination	15 th week	
b- Final written examination	16 th week	
1- Semester summative evaluation:	L	
a- Semester written examination	40 marks (20%)	
b- Semester activities evaluation (Project re	eport) 60 marks (30%)	ج- توزيع الدرجات
2- Final summative evaluation:		الدرجات
a- Multi-stations practical examination	20 marks (10%)	
b- Final written examination	80 marks (40%)	
	إسية والمراجع	8- قائمة الكتب الدر
Not applicable		أ – مذكرات

الهيئة القومية لضمان جودة التعليم والاعتماد

	8- قائمة الكتب الدراسية والمراد
Not applicable	أ – مذكرات
Not applicable	ب- كتب ملزمة
 Rosner, B. (2017). Fundamentals of biostatistics. (8th ed USA, Boston: Cengage Learning. ISBN: 978-1-305-2689 Marshall, E., & Boggis, E. (2016). The statistics tutor quick guide to commonly used statistical tests. University Sheffield. Available online: http://www.statstutor.auk/resources/uploaded/tutorsquickguidetostatistics.pdf 	r's حتب مقترحه of
	د- دوريات علمية أو نشرات الخ

مجلس رقم (134) بتاریخ 2014/6/18	معتمد بموافقه مجلس الكليه
مجلس القسم بتاريخ 2018/11/5	تم مراجعته وتحديثه طبقا للمعاييرالاكاديميه القوميه المرجعيه بتاريخ
منسق المقرر المعلى المميد عبد المعطي	رئيس القسم العلمي معلمات المعلمان المع