

University: Mansoura University

Course Title: Biostatistics

Faculty: Nursing

Code: CSc706

Department: Community Health Nursing

ILOs Matrix for Course Content

Content	Teaching Methods	Evaluation Methods	A. Knowledge & Understanding	B. Intellectual Skills	C. Practical & professional Skills	D. General & Transferable Skills	E. Attitude
Unit I: Introduction to Biostatistics • Definition and purposes of biostatistics • Overview of bio- statistical design of health studies	Interactive Lectures	Semester examination written Final examination written	A1	-	----	--	----
Unit II: Collecting and handling of bio-statistical data • Data collection and forms' design • Coding of data • Data entry by using statistical software (SPSS)	Interactive Lectures Small group work Computer lab training Project- Based Learning	Semester examination written Final examination written Project report	A2, 3, 4	B1, 2, 3, 4	C1, 2, 3, 4, 5, 6	D 1	E1
Unit III: Presentation of statistical data Descriptive biostatistics • Tabulation • Graphs and charts • Mathematical presentation (Measures of central tendency and Measures of dispersion)	Interactive Lectures Small group work Computer lab training Project- Based Learning	Semester examination written Final examination written Project report	A5, 6	B5, 6	C7, 8, 9, 10, 11, 12, 13, 14	D1, 2	----

Unit IV: Inferential statistics <ul style="list-style-type: none"> • T- tests • One way ANOVA • X^2 square • Correlation coefficient 	Interactive Lectures Computer lab training Project- Based Learning	Semester examination Final examination	written written	A7, 8	B7, 8,9,10,11	C15,16	D1, 2	----	
Unit V: Biostatistics rates	Interactive Lectures Small group work	Semester examination Final examination	written written	A9	B12	-	D2	----	
Unit VI: Sampling size	Interactive Lectures	Semester examination Final examination	written written	A10	B13	-	-	---	
Unit VII: Method of recording and reporting and documentation	Interactive Lectures	Semester examination Final examination	written written	A11	-	C17	---	E1	
Course instructor: Assistant. Prof Dr. Samia M. Abdel-Moaty <i>Samia M. Abdel-Moaty</i> Dr. Nagawa Salem <i>Nagawa Salem</i>		Course coordinator Dr. Samia Abdelmoaty <i>Samia Abdelmoaty</i>			Head of Department: Prof Dr. Sahar M. Soliman <i>Sahar Soliman</i>				