COURSE SPECIFICATION

Medical statistics

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Master degree of Phoniatrics/ PHON 500
(2) Department offering the programme:	Otorhinolaryngology Department
(3) Department responsible for teaching the course:	Community Health Department
(4) Part of the programme:	First part
(5) Date of approval by the Department`s council	15/5/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Medical statistics
(8) Course code:	PHON 518
(9) Total teaching hours:	8hours/7weeks

(B) Professional information

(1)   Course Aims:

The broad aims of the course are as follows:

The course explains statistics, their importance and uses and their application on research methodologies related to communication and swallowing disorders.

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(2)   Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A– Knowledge and Understanding:

On successful completion of the program, the candidate will be able to:

A. Identify the principles of data collection, presentation and analysis of data.

A. Identify the research methodologies related to communication and swallowing disorders.

B– Intellectual skills :

B2. Collects complete, clear and organized information about the patient's ailments in order to be able to analyze it and formulate a preliminary idea concerning the etiological diagnosis of ailments.

B12. Acquaints himself with the methodology of scientific research in the field of voice, speech, language and swallowing disorders in order to carry out efficiently academic and field research work.

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(3)   Course content:

Subjects	Lectures	Clin/ Lab	Field	Total Teaching Hours
1- Data collection: - Types of data. - Sources of data. - Types of sampling.	1×1 lectures			1hours
2- Presentation of data.	1×1 lectures	-------	-----	1 hours
3– Summarizing data: - Measures of central tendency. - Mean- Median- Mode. - Measures of dispersion. - Range, Variance, Standard deviation.	1×2lectures	-------	-----	2hours
4– Analysis of data: - T- test and paired T- test. - Analysis of variance (ANOVA). - Z- test. - Chi-square test. - Correlation coefficient.	1×2 lectures			2hours
5- Community health indices (Mortality and morbidity).	1×1 lectures	------	---------	1 hours

(4)   Teaching methods:

4.1: Lectures

4.2: Power point presentation

(5)   Assessment methods:

5.1:Written exam for assessment of B2,12 (after 6 months from the date of registration to the degree).

5.2 MCQ continuous assessment at the end of the semester.

(6) Percentage of each assessment to the total mark:

6.1. Written exam: 60 marks (including 12 marks MCQ).

(7) References of the course:

7.1 Maxy–Rosenau (2000): Public health and preventive medicine, Prentice – Hall International Inc.

7.2.Satuke,E and Jacaroo, V and Maxwell, D (2008): Handbook of statistical methods: single subject design. Plural publ. Inc.

(8)   Facilities and resources mandatory for course completion:

Lecture halls and data show.

Course coordinator: Prof. Dr. Tamer Samir Abou-Elsaad