

Biostatistics

University: Benha

Faculty: Veterinary Medicine

Program on which the course is given: Bachelor of Veterinary Medical Sciences

Department offering the course: Biostatistics Department.

Academic year/level: 1st year/ Second Semester

Date of specification approval: Ministerial Decree No 921, on 15/9/1987

(Then approved in this recent template by department council on 18/2/2009)

A- Basic Information

Title: Biostatics

Code: Vet 00619

Lecture: 2 h/W

Practical: - h/W

Total: 2 h/W

B- Professional Information

1- Overall aims of course:

- Descriptive and inferential statistics.
- How to represent the data.
- Personal computer applications of the statistics.

2- Intended Learning Outcomes of the course (ILOs):

a-Knowledge and understanding :

After successful completion of this course the students should be able to:

- a.1. Practice data collection and analysis using computer .
- a.2. Design experiments and computerize data processing .

b-Intellectual skills :

After successful completion of this course the students should be able to:

- b.1. Think how to deal with an epidemiological problems .
- b.2. Solving problems of data .

c-Professional and practical skills :

After successful completion of this course the students should have the ability to:

- c.1. Set the correct methods of data collection .
- c.2. Apply the different methods of data processing and analysis .
- c.3. Deal with the personal computers for the assessment the large mass of data .

d-General and transferable skills :

After successful completion of this course the students should have the ability for:

- d.1. Performing survey observations, data collection which is a fundamental part in the team work experience; handling & management of large data of the researches.

3- Contents:

Topic	No. of hours	Lecture	Practical
Description of the data	4	4	-
Probability	4	4	-
Binomial distribution	4	4	-
Normal distribution	6	6	-
Testing hypothesis	6	6	-
Disease prevalence	6	6	-
Total	30	30	-

4- Teaching and learning methods:

- 4.1. Lectures with power point slide show.
- 4.1. Class activities & problem solving discussions.
- 4.3. Internet data collection.

5- Student assessment methods:

- 5.1 Written examination to assess knowledge, understanding and intellectual skills.

Assessment schedule:

Assessment 1: Written examination week 15

Weighing of assessments:

Final- term examination	100	%
Other types of assessment	0	%
Total	100	%

6- List of references:

6.1. Course notes: Department books and CD's.

7- Facilities required for teaching and learning:

- Well equipped lecture lab.
- Computer lab.

Course Coordinator:

Prof.Dr. Yahia Mossa Hissin El-Gebali

Date: