



South Valley University

Faculty of Veterinary Medicine.

15 Department of: Animal Hygiene

Course Specifications

Programme(s) on which the course is given: **Master Degree**

Major or Minor element of program: major

Department offering the program: **Faculty of Veterinary Medicine**

Department offering the course: **Animal Hygiene**

Academic year / Level: **Postgraduate Master Degree**

Date of specification approval:

A- Basic Information

Title:

Code:

Lecture: 2 hours for 30 weeks

Practical: 2hours for 30 weeks

Total: 4hours for 30 weeks

B- Professional Information

1 – Overall Aims of Course

- a. **Good application of principals and methods of Scientific research and use its different methods.**
- b. **Application of the analytical method in the field of Advanced Farm Animal Health**
- c. **Application of the specific knowledge in relation with other knowledge in the profession.**
- d. **Discover the actual problems and the recent visions in the field of Advanced Farm Animal Health**
- e. **Defining the professional problems and finding solutions.**
- f. **Wide suitable special professional skills and using the suitable techniques in the field of Advanced Farm Animal Health**
- g. **Active communication and the ability to lead work team.**
- h. **Discussion making in the profession.**
- i. **Using the available sources in order to obtain and keeping the highest values.**

- j. Awareness in society development and environmental preservation national and international
- k. Transparency correctness and following the professional ethics.
- l. Self academic and professional development and able for self learning.

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

- a1- theories and principals related to the study and other fields related to the field.
- a2- the effect of the applications on the environmental.
- a3- the scientific development in the field of specialty.
- a4- Ethics and laws of the profession in the field of specialty.
- a5- principals of quality control assurance in the profession in the field of specialty.
- a6- Principals and Ethics of scientific researches .

b- Intellectual Skills

- b1- Skills in analysis and evaluation in the field of specialty and solution of problems.
- b2- Skills in solution of specific problems in case of shortage of resources .
- b3- Skills in connection between different knowledge in solution of professional problems.
- b4- Skills in research study or writing scientific paper about the research problems.
- b5- evaluation of the risks in the profession in the field of specialty.
- b6- planning for development of the performance in the field of specialty.
- b7- decision making in the professional policy.

c- Professional and Practical Skills

- c1- Good performance of recent professional principals in the field of specialty .
- c2- Writing and evaluation of professional reports.
- c3- Evaluation of techniques in the field of specialty .

d- General and Transferable Skills

- d1-Different types of active communication .
- D2-using of information technology on the behave of professional application .
- d3-self assessment and renewing the self learning needs.
- d4-uses of different resources for obtaining information and knowledge.
- d5-rules and parameters for evaluation of team performance .
- d6-working in leading team in the profession.
- d7-time management.
- d8-contiuing self learning.

3- Contents

الاسبوع	Lecture (2)	Practical (2)
1	What is environment ?	Environmental disinfections
2	Principle of environmental health	How to keep environment safe?
3	General information of air	Sampling atmospheric air
4	Source of air pollution	Types of air samplers
5	Industrial pollutants	Sampling air from animal houses
6	Livestock pollutants	Sampling air from poultry houses
7	Classification of impurities	Estimation of CO₂ of air
8	R.H & temperature	Recording R.H
9	Gaseous impurities	Types of hygrometers
10	General information of water	Detection of ammonia on air
11	Hydrological circulation	How to wash air of ammonia ?
12	Source of water	Sampling water
13	How water get contaminated	Water samplers

14	Purification of water	Representative sample
15	Water hardness	Mid – depth sample
16	Softening & treatment of water	Physical examination of water
17	Water related diseases	Chemical examination of water
18	General information of soil	Bacterial examination of water
19	Soil & contamination	Soil sampling
20	Soil as a source of infection	Local inspection
21	Role play by soil as agent	Bacteriological examination of soil
22	Pathogen & pathogenicity	Bacteriological load of soil
23	Bacterial load of soil	Soil impregnation
24	How to keep soil healthy	Data of Egyptian soils

4– Teaching and Learning Methods

- lecturing
- Practical and lab work
- Discussion sessions

5- Student Assessment Methods

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|-------------------------------------|--|
| 5.1 Written exam | to assess knowledge skills |
| 5.2 Practical exam | to assess professional skills |
| 5.3 Multiple choice exam to measure | to assess intellectual and general skills. |

Assessment Schedule

Assessment 1 final exam	4week
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Assessment 2 practical exam	Week
Assessment 3 oral exam	Week

Weighting of Assessments

Final-term Examination	50 %
Oral Examination.	30 %
Practical Examination	20 %
Semester Work	0 %
Other types of assessment	0 %
Total	100 %

Any formative only assessments

6- List of References

6.1- Course Notes
Native text book

6.2- Essential Books (Text Books)

International environmental reports.

6.3- Recommended Books

6.4- Periodicals, Web Sites, ... etc

7- Facilities Required for Teaching and Learning

- Ordinary black board
- Slide projector

Course Coordinator:

Prof. Dr. Farouk Amen Ahmed

Head of Department:

Prof. Dr. Farouk Amen Ahmed

Date: / /