



Ministry of Education
King Saud University
College of Sciences



**Skills, Knowledge and Capabilities
of the Zoology Department Graduates**
1434 هـ / 2013 م



Accredited by the German Academic Accreditation Authority (ASIIN.e.V)
Accredited by the Education Evaluation Commission (NCAAA)

The Department of Zoology is keen to acquire graduates a number of skills can be divided into five types:

I- Knowledge

1. Identify the concepts and basic knowledge of specialization and its relationship to other disciplines.
2. Knowledge of theories and scientific facts in the sections of Zoology and interrelations among organisms and their biosphere.
3. Learn laboratory bio-techniques and applications.
4. Knowledge of the concepts of laboratory management, organization and evaluation.
5. Knowledge of management and concepts of bio-systems, organization and evaluation.
6. Knowledge of policy and legislation of animal Science and ethics.

II- Cognitive Skills

1. The ability to discover and identify, analyze and evaluate various scientific problems and suggesting solutions.
2. Knowledge of the methods of scientific research and the ability to design and evaluation of scientific research.
3. Knowledge of the methods and procedures of research and information retrieval and the ability to build and design research strategies.
4. The ability to select and evaluate different sources of information.

III- Interpersonal Skills and Responsibility

1. Work in groups.
2. Acting as coordinator between members of the team.
3. Working as team leader.
4. Present scientific problems such as environmental pollution.
5. Interact and deal with the various academic, student activities

IV- Communication, Information Technology, Numerical

1. Computer use
2. Entry and use of databases
3. Access and use information networks
4. Use of audiovisual
5. Learn the principles of statistics
6. Verbal communication
7. Written communication
8. Electronic communication

V- The graduates' skills gained from the project or research

1. Know how to deal with modern scientific journals and extract the appropriate research from them.
2. Know the development of a plan for conducting research experiments.
3. Know how to deal with experimental animals and divide them into groups (control and treated).
4. Know how to take data and deal with it.
5. Know how the results are presented and written in a scientific report.
6. Know how to write scientific research and references.
7. Ability to design and implement scientific experiments.
8. Ability to search using information technology, identify problems and propose solutions.