

Programme Outcomes (POs) for UG courses of Faculty of Life Sciences

1. To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
2. To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
3. To create awareness on ethical issues, good laboratory practices and biosafety.
4. To develop ability in youth for understanding basic scientific learning and effective communication skills.
5. To prepare youth for career in teaching, industry, government organizations and self Reliant entrepreneurship.
6. To make students aware of natural resources and environment and its sustainable Utilization.
7. To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes (PSOs) for Zoology subject of B.Sc. Medical

1. Students will gain knowledge to develop acquaintance of animal species around them and variations in their life cycles/biology and their interaction with the environment.
2. Young students will be also be apprised about likeness between the physiological processes at the cellular and organismic levels.
3. Youth will be capable of using knowledge of subject and analytical methods in identifying and solving various complex situations of living forms and environment taking into consideration ethics and responsibilities.
4. Teaching of this subject will also develop ability in youth to have understanding of basic Zoology with effective communication ability.
5. This PG programme will develop youth who is aware of natural resources and their sustainable utilization.
6. This programme will develop personnel who can be capable of doing Masters in the subject and can develop career as teacher, in industry or as entrepreneur in the realms of the subject.

Semester I

Course Learning Outcomes (CLO)

1. Student will be able to describe unique characters and recognize life forms of phylum Protozoa and Porifera
2. Student will be able to describe unique characters and recognize life forms of phylum Coelenterata and Helminthes

3. Student will be able to describe unique characters and recognize life forms of phylum Annelida and Arthropoda
4. Student will be able to describe unique characters and recognize life forms of phylum Mollusca, Echinodermata and Hemichordates
5. Students will be capable of identifying the characters and classification of Non-Chordates

Semester II

Course Learning Outcomes (CLO)

1. Student will be able to describe unique characters and recognize life functions of Urochordates
2. Student will be able to describe unique characters and recognize life functions of Pisces
3. Student will be able to describe unique characters and recognize life functions of Amphibians & Reptiles
4. Student will be able to describe unique characters and recognize life functions of Birds & Mammals
5. Students will be capable of identifying the characters and classification of Chordates

Semester III

Course Learning Outcomes (CLO)

1. Students will understand the nature and basic concept of cell biology and genetics.
2. Students will be able to apply the knowledge of internal structure of cell and their role in many metabolic function of organism
3. Students will have acquaintance with the basic causes associated with inborn errors and other genetic disorder and will be able to give counseling to general people
4. Students will be able to explain the concept of gene interactions, Sex linked inheritance and their role in medical sciences.
5. Students will be able to conduct the morphometric analysis of chromosomes and demonstrate cell division

Semester IV

Course Learning Outcomes (CLO)

1. Students will be able to understand and explain the mechanism that works to keep the human body functioning.

2. Students will be able to explain the interaction and interdependence of physiological and biochemical processes.
3. It will make the students understand the appropriate functioning of each body system in animals and mechanism of working.
4. Students will be able to explain the mechanism of action of hormones and related molecules involved in various physiological processes
5. Students will be able to understand and perform biological and analytical techniques in labs to explain biological activities