

Master of Science (Zoology) (MSCZOO)



Welcome to Learnwise!

Hi!

We are thrilled that you have decided to join us.

At Learnwise, we believe that everyone has a right to live a life of dignity and quality. We strive to provide quality learning solutions to anyone who wishes to pursue higher education regardless of their previous academic track record. If you're looking for an environment that not only supports education but also helps you gear towards your career goals, you are at the right place!

With our emphasis on job-readiness training and up-skilling, we not only help you get a degree but also provide you with unparalleled exposure into the field and help you acquire field-relevant skill-sets. Through-out your journey with us, our qualified Academic Mentors and dedicated Career Coaches ensure that all your individual learning and career needs are taken care of. When we promise you personalized interventions, we mean nothing short of expert companionship and scaffolding that anyone could ask for.

We look forward to serving you!

Warm regards,

Muhammed A.

Founder, Learnwise

About us

We are a team of passionate individuals educated from premier institutes across India, who feel grateful for the educational and career opportunities we've got and earnestly wish to create a platform that opens up such possibilities to anyone, regardless of their socio-cultural backgrounds and previous academic track records!

Learnwise is an Online Platform for Higher Education, that provides personalized learning support for pursuing UG and PG degrees from reputed universities through a consistent Mentorship program, all through a mobile application. Alongside learning, the program also takes care of the individuals' career needs through individually tailored Career Coaching, Job-Readiness Training and industry relevant add-on Up-Skilling programs.



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About IGNOU

For the present program, we have chosen IGNOU (Indira Gandhi National Open University) as the Institute we enroll our students with for obtaining their degrees. Along with registration with our learning program, the student enrolls with IGNOU as anyone would normally do. The difference here being that Learnwise will be supporting the student's learning whilst pursuing their degree from IGNOU.

The Indira Gandhi National Open University is the world's largest University imparting education through open and distance mode. Established in 1985, IGNOU is an internationally awarded Central University which aims to provide quality higher education opportunities to all segments of the society. It is a University that constantly strives to raise the standards of distance education and actively researches best practices in open education. Currently, it has 21 schools of studies, 67 regional centers, 3500 study centres, 12 overseas study centers, and offers 200+ programs, ranging from certificate courses, diplomas, bachelors, masters to doctoral programs.



The Learnwise Edge



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Live Lectures



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Added Notes



Objective
Tests



Topic-wise
Assignments



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Live Doubt-
Clearing Sessions



Regular
Mentorship
& Assistance



Performance
Tracking &
Personalized
Interventions



Provisions to
Connect with
Batchmates



Career
Assessment
& Guidance
Service



Upskilling
Programs



Job-Readiness
Training

Master of Science (Zoology) (MSCZOO)

Affiliated to: IGNOU

Program Code: MSCZOO

Minimum age: No bar

Maximum age: No bar

Eligibility: The candidate should have passed the B.Sc (Hons)/B.Sc (Major) in Zoology or

B.Sc (General/CBCS) with Zoology as one of the subjects

Zoology or

B.Sc (General/CBCS) with Zoology as one of the subjects

Course Duration: 2

Session starts: January & July of every year

The primary objective of this programme is to provide the highest quality post-graduate education in Zoology. The advantage of space, time and pace inherent in the proposed programme addresses the desire and demand of a large number of our own students of the B.Sc. Programme who have been anxiously waiting for such a step on the part of IGNOU. The programme would help a large number of in-service people to upgrade their Degrees for mobility in their career path. It includes thousands of the TGTs/PGTs in the Schools spread across the country. The Zoology (M.Sc.) programme will benefit NET/GATE/Public Service Examinations aspirants. They would have various employment options in agriculture, health, education, and the environment.

The courses of this program are meticulously designed by experts across the country to provide the learners with a thorough understanding of fundamental concepts in core areas of Zoology, such as Molecular Cell Biology, Genetics and Animal Biotechnology, Comparative Animal Physiology and Biochemistry, Systematics, Biodiversity and Evolution, Genomics and Proteomics, Immunology, and so on. Adequate Zoology experiments and laboratory techniques to strengthen the learning abilities of students are provided in a structural manner. Students can also formulate scientific questions, exchange scientific ideas with colleagues, analyse, troubleshoot, and summarize the research data. Our special elective courses, including Parasitology, Animal Behaviour and Animal Welfare Ethics, Aquaculture, Insect Taxonomy and Morphology, Insect Physiology and Toxicology, and Applied Entomology, are aimed at introducing you to current developments in these exciting areas of Zoology, as well as the interdisciplinary nature of science in modern times and the vast scope of its applications.

Special Features of MSc Zoology Program:

MSc Zoology is being offered with specialization in Entomology. After completing the first year of M.Sc. Zoology programme, students will be awarded a PG Diploma in Applied Zoology and Biotechnology. Students have to do Project work on any one topic of prescribed courses of the program. This will give them exposure to research and collaboration

Programme Objectives – M.Sc. in Zoology

- The programme is designed with the following key objectives:
- To impart advanced education in the field of Zoology, equipping learners with comprehensive knowledge of animal biology and related scientific disciplines.
 - To offer learners the opportunity to upgrade their academic qualifications, enabling continued professional and academic development.
 - To prepare students for careers in research and teaching, particularly in the field of Zoology, through theoretical foundations and practical exposure.
 - To foster a sense of environmental responsibility, encouraging resource conservation and nurturing a deep appreciation for nature and biodiversity.
 - To develop the ability to analyze and differentiate the structure, function, behavior, and evolution of various animal species, thereby enhancing scientific understanding and observational skills.

MSCZOO Programme Structure

Course Code	Title of the Course	Nature of Course	Credits
I Year (First Semester)			
MZO 001	Molecular Cell Biology (Core)	Theory	4
MZO 002	Genetics and Animal Biotechnology (Core)	Theory	4
MZO 003	Comparative Animal Physiology and Biochemistry (Core)	Theory	4
MZOE 001	Parasitology (Elective)	Elective	4
MZOL 001	Lab Course I	Lab	4
I Year (Second Semester)			
MZO 004	Systematics, Biodiversity and Evolution (Core)	Theory	4
MZO 005	Genomics and Proteomics (Core)	Theory	4
MZOE 002	Animal Behaviour and Animal Welfare Ethics (Elective)		4
MZOE 003	Aquaculture (Elective)	Elective	4
MZOL 002	Lab Course II	Lab	4
II Year (Third Semester)			
MZO 006	Biostatistics and Bioinformatics (Core)	Theory	4
MZO 007	Principles of Ecology (Core)	Theory	4
MZO 008	Immunology (Core)	Theory	4
MZO 009	Research Methodology (Core)	Theory	4
MZOL 003	Lab Course III	Lab	4
II Year (Fourth Semester)			
MZOE 004	Insect Taxonomy and Morphology (Elective)	Elective	4
MZOE 005	Insect Physiology and Toxicology (Elective)	Elective	4
MZOE 006	Applied Entomology (Elective)	Elective	4
MZOL 004	Lab Course IV	Lab	4
MZOP 001	Dissertation	Project	4
Total Credits			80



Learn. Up-Skill. Flourish.