PATHEIN UNIVERSITY

DEPARTMENT of ZOOLOGY

- **Vision of our Department:** **To increase the better learning opportunities to the students by creating a good educational environment and to promote the acquisition of knowledge based on animal science through qualify educational practices and researches**
- **Mission of our Department :** **To attain the better opportunities of employment for bachelor degree holders, to arise the high quality research and to apply the results of these research for the development of the regional as well as the subject matter, to reinforce the students for life-long learning and to produce leadership in science and technology**
- Our department offers Bachelor and Master Degree programs.

Courses of Zoology Department

- Our department has been taught both undergraduate and graduate courses for Zoology and Microbiology students. There are 26 instructional courses for under graduate students in Zoology. Some of them are 1) Protista and Lower Invertebrates 2) Mollusca 3) Arthropoda 4) Ichthyology 5) Herpetology 6) Ornithology 7) Mammalogy 8) Taxonomy and Nomenclature 9) Ecology 10) Descriptive Statistics 11) Agricultural Entomology 12) Elementary Physiology 13) Parasitology 14) Entomology 15) Molecular Cell Biology 16) Biodiversity and Conservation 17) Environmental Science 18) Microbiology and 19) Biotechnology. We have 18 courses for master degree programs including 1) Embryology 2) Endocrinology 3) Research methodology 4) Biodiversity 5) Virology and Bacteriology 6) Linkage & Chromosome Mapping 7) Physiology 8) Immunology 9) Evolution 10) Biotechnology 11) Biometry 12) Animal Physiology and Endocrinology 13) Environmental Studies and Conservation Management 14) Evolutionary Biology and Animal Behavior and 15) Invertebrate immunology.

  All courses are taught by combination of lectures, seminars, presentation, practical lab work, field trip and research project for fourth year students.

- Pathein University is situated in Pathein, Ayeyarwady Region, Myanmar. Ayeyarwady Region is located in the delta aaea of Myanmar and have many Fisheries resources. The main economy of rural populations are Fisheries and rice production. Development of agriculture and aquaculture are essential for rural people in this region. That is why the apply researches of our department are mainly on based on both fisheries and agro ecosystem.

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Research focus areas

- **Induced breeding**
- **Aquaculture production and consumption**
- **Nutrition and feed supplements**
- **Industrial waste materials and aquatic animals**
- **Biological pest control on paddy field**
- **Integrated pest management**
- **Production of natural fertilizer**

Current researches

- **Diversity of Insect on paddy and biological control of insect pests in the paddy fields at Pathein**
- **Morphology and economic importance of swimbladders in some bony fishes**
- **Vermicompost production from water hyacinth plant at Some lakes, Pathein**
- **Biology and management of Odoiporus longicollis on banana plant at Pauk Kone Village, Pathein**
- **Species composition and abundance of some insect pests on paddy field**
- **Life cycle and management of banana leaf hopper *Erionota thorax* at Shan Ywar Village, Kangyidaunt Township**

- CONTACT
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