| A. Upon successful completion of this module, the graduates in zoology will be able to demonstrate a systematic understanding of: |
| B. Upon successful completion of this module, students will be able to: |
| C. Upon successful completion of this module, students will: |
| D. Upon successful completion of this module, students will be able to demonstrate qualities and transferrable skills needed for employment. In particular, they will be able to: |

**The major groups of animals, with emphasis on their helminth and protozoan parasites and their insect vectors and intermediate molluscan hosts:**

- Underlying factors that determine the biodiversity, biogeography and the global burden of disease.
- The role of research in the development of control strategies against diseases of medical importance in the tropics.
- How an understanding of parasites and their vectors can advance knowledge and solve problems in a wide range of disciplines.
- Laboratory/desk research methods for acquiring, interpreting and analysing biological information through the study of texts, original reports and data sets.
- The relationship between molecular and cellular processes and evolutionary biology in the context of tropical disease.

**The immunology, physiology, biochemistry and molecular biology of a range of animals, with focus on human parasites:**

- The biology and control of helminth and protozoan parasites and their insect vectors and intermediate molluscan hosts.
- Underlying factors that determine the biodiversity, biogeography and the global burden of disease.
- The role of research in the development of control strategies against diseases of medical importance in the tropics.
- How an understanding of parasites and their vectors can advance knowledge and solve problems in a wide range of disciplines.
- Laboratory/desk research methods for acquiring, interpreting and analysing biological information through the study of texts, original reports and data sets.
- The relationship between molecular and cellular processes and evolutionary biology in the context of tropical disease.

**The major groups of animals, with emphasis on their helminth and protozoan parasites and their insect vectors and intermediate molluscan hosts:**

- Ability to plan and execute all the core practical and professional skills relevant to first post-employment in the discipline, independently.
- Apply the methods and techniques learned to review, extend and apply knowledge and understanding to initiate and carry out projects.
- Evaluate evidence, arguments and assumptions to reach sound judgements to achieve a solution, or range of solutions, to a problem.
- Be fully aware of relevant ethical implications of proposed courses of action or situations and take the necessary steps to work within the limits of these.

**Underlying factors that determine the biodiversity, biogeography and the global burden of disease:**

- Initiative
- Personal responsibility
- Decision-making in complex & unpredictable circumstances
- Problem solving skills that can be applied in many types of employment
- Life-long learning skills to address their own learning needs within their discipline and new areas of learning

**The role of research in the development of control strategies against diseases of medical importance in the tropics:**

- Initiative
- Personal responsibility
- Decision-making in complex & unpredictable circumstances
- Problem solving skills that can be applied in many types of employment
- Life-long learning skills to address their own learning needs within their discipline and new areas of learning

**How an understanding of parasites and their vectors can advance knowledge and solve problems in a wide range of disciplines:**

- Initiative
- Personal responsibility
- Decision-making in complex & unpredictable circumstances
- Problem solving skills that can be applied in many types of employment
- Life-long learning skills to address their own learning needs within their discipline and new areas of learning

**Laboratory/desk research methods for acquiring, interpreting and analysing biological information through the study of texts, original reports and data sets:**

- Initiative
- Personal responsibility
- Decision-making in complex & unpredictable circumstances
- Problem solving skills that can be applied in many types of employment
- Life-long learning skills to address their own learning needs within their discipline and new areas of learning

**The relationship between molecular and cellular processes and evolutionary biology in the context of tropical disease:**

- Initiative
- Personal responsibility
- Decision-making in complex & unpredictable circumstances
- Problem solving skills that can be applied in many types of employment
- Life-long learning skills to address their own learning needs within their discipline and new areas of learning