**Hong Kong Baptist University**

**Faculty of Science**

**Department of Biology**

**Programme intended learning outcomes (PILOs) for postgraduate research programmes**

**Department/Faculty:** Biology/Science

**Programme:** postgraduate research programmes in biology or environmental sciences

**Programme mission:** The postgraduate research programme offered by Department of Biology aims to equip students with a strong foundation for a career in biology- or environment-related research, teaching, industry, or government agencies by providing students with opportunities to broaden their knowledge in biological and environmental sciences and to develop research skills through a wide variety of experimental approaches using advanced technology and methodology under the supervision of academic advisors.

LO1: Apply advanced knowledge and a broad understanding of biological systems from the molecular to organismal levels and on interactions between organisms and their environments

LO2: Design and carry out a scientifically sound research plan to solve biological or environmental problems and able to use appropriate methods for analyzing and interpreting experimental data

LO3: Present scientific ideas and results in a particular field within biology, in a clear and effective way to peers as well as to the broader scientific community

LO4: Apply teaching skills in multiple fields of biology

LO5: Examine scientific ethical conduct and ethical implications of scientific issues in society