and other environmental species and to assess the significance of emerging issues in an objective manner.

EPHM 7040 Land and Water Resources Management (3,3,0)
This course provides background information on water, soil and vegetation, as well as the effects of industrial and economic development on land quality and water safety. Different strategies on land and water resources management for sustainable development are also discussed.

EPHM 7050 Integrated Waste Management (3,3,0)
The amount of waste/solid waste produced every day is tremendous and ways of properly handling and disposing them permanently have always been in demand. The course explores and compares different options and strategies in reducing, handling, and treatment of solid waste with due emphasis on the importance of adopting an integrated approach in managing waste.

EPHM 7070 Research and Environmental Monitoring Methodology (3,3,0)
The course focuses on different approaches and methods to conduct environmental monitoring and evironmental research. Basic principles of these research and monitoring methods will be dealt with adequately so that students will be able to formulate their own research or monitoring strategies to deal with new environmental problems when they have completed the course.

EPHM 7110 Principles of Environmental Management (3,3,0)
This course studies ecosystems and its relationship with atmospheric, hydrological and geomorphological systems. The impacts of human activities on the delicate balance of ecosystems, as well as the ethical bases of conservation biology, will also be examined. The course introduces the basic principles in environmental management, illustrates scientific principles by building on worldwide and familiar examples, and encourages students to become personally involved with solving environmental problems.

EPHM 7311-2 MSc Dissertation (3,*,*)
This project is designed for students to apply and integrate theories learnt to real-life problems so that better understanding of the environmental issues will be resulted. Through the execution of the project, students will also learn the proper ways of conducting research and preparing documents for review.

EPHM 7320 Occupational Health and Safety Management (3,3,0)
This course provides an understanding on occupational health and safety with due emphasis on a variety of commonly adopted management approaches and methods. This includes the identification procedures for the principal causes of ill health and poor safety at workplace and strategies for eliminating or ameliorating them. The legal and operational aspects of occupational health and safety are also adequately dealt with.

EPHM 7330 Food Quality, Law and Safety Management (3,3,0)
The course is designed to introduce students to the growing consumer demand in food safety and growing awareness of the food industry in the importance of maintaining high food quality. It covers the principles and international standards of food quality and safety management, and provides an understanding of the legislative control related to food quality, safety and human health protection in Hong Kong and other places.

EPHM 7340 Carbon and Energy Management (3,3,0)
This course provides students with an understanding on carbon and energy management with due emphasis on a variety of commonly adopted management approaches and methods. This includes carbon accounting or the identificaiton and quantification of greenhouse gas emission sources and sinks, carbon footprinting of products and services, carbon neutrality, energy audit and management, measurement and verification of energy performance projects, and the related carbon and energy standards.

ERMT 2005 Global Environmental Issues (3,*,*)
This course aims to provide an introduction to global environmental issues for students with or without a science background. Special emphasis will be placed on the evaluation of the impacts of human activities on the environment and the examination of solutions to environmental problems.

ERMT 2015 Physical Geography (3,*,*)
This course aims to introduce the major geological and geomorphological processes that contribute to formation of various landforms and natural geographical features. The first part of this course introduces tectonic processes that contribute to the development of Earth's major relief features, and the processes of weathering, erosion and deposition with regard to landform development especially in Hong Kong. The second part introduces climatology with emphases on the formation of major climatic regions. This is followed by a comprehensive analysis of the development and characteristics of soils and vegetation on the Earth's surface. Emphasis is placed on their distribution, soil-plant interactions and their significance in human's use of land.

ERMT 3005 Anthropogenic Climate Change and Society (3,*,*)
This course provides students with a broad perspective of the topic of climate change, with an emphasis of the natural and anthropogenic causes of climate changes and its socio-economic consequences. The central theme is to illustrate the determinants of global climate, the ways in which human activities affect global climate, how environment and human societies are affected by climate change, and the approaches and efforts that have been adopted to minimize anthropogenic climate change.

ERMT 3015 Natural Resources Management (3,2,1)
This course aims to introduce students to the problems associated with the use or misuse of our natural resources and current management practices associated with the conservation of natural resources. This course aims to introduce a wide spectrum of practices specific to particular habitat, wildlife and energy resources management. In addition, emphasis will be placed on the review and discussion of current programs and issues in natural resources management in Hong Kong and other countries. This course also provides students with an opportunity to investigate and formulate solutions to the problems in natural resources management.

ERMT 3025 Research Methods and Statistics (3,2,1)
This course aims to introduce students to experimental design and statistical data analysis at an elementary to intermediate level, with an emphasis on practical applications of statistical methods to experimental and observational data in biology, ecology and environmental sciences. Students will explore the process by which scientists formulate research questions, set null hypotheses, design experiments, collect data and apply statistics to test the hypotheses.

ERMT 3035 Geo-environmental and Ecological Field Study (3,*,*)
This course aims to provide students with hand-on experiences of the local environment and its associated biological communities. In addition to introducing the geological, geographical, ecological and biological features of major habitats of Hong Kong, this course will introduce students to the basic techniques in the collection of geographical data and in the sampling and analyzing of major biological communities and their applications in the local context. In addition to lectures, the course will be conducted mainly through field surveys carried out in the countryside of Hong Kong.