

APSY 3820 Advanced Research Methods (3,3,0) (E)

Prerequisite: APSY 2150 Research Methods and Design in Psychology or equivalent

This course aims to introduce to students the design and data analytical techniques required for multivariate data analysis. The focus of the course will be on multiple regression, structural equation modelling, factor analysis, and item response analysis. The course is both theoretical and applied in nature. Students will also learn to input and analyse data using the SPSS and AMOS. This course serves to provide a foundation for future research at the Masters and PhD level.

APSY 3830 Counselling Psychology (3,3,0) (E)

Prerequisite: APSY 2130 Personality Psychology or equivalent

This course aims to provide an overview of the counselling profession. Research in efficacy and assessment will be included based on the scientist-practitioner model. Students will be introduced to various professional settings to enable them to understand the mechanisms and strategies involved in counselling psychology.

APSY 3890 Psychology in Applied Settings (3,0,3) (E) (Practicum)

This course aims to give students an opportunity to apply the psychological theories that they have learned to the different sectors of the community, such as business, education, and social services.

APSY 3900-1 Honours Project I & II (6,0,6) (E/P/C)

Prerequisite: APSY 2150 Research Methods and Design in Psychology or equivalent

Students will work on a research project on an approved topic. Each individual project must include: a research question, a review of current literature, analysis of data, reporting of results, and discussion of the findings. The total length of the report should be between 9,000 and 15,000 words. Data collected for each research project are course to inspection and review.

BIOL 1005 Introduction to Biology (3,2,1) (E)

This course is intended to train up students with broad background knowledge in biological sciences with emphasis on its relevance to human health and environmental science. Students will learn the main principles and mechanisms in biological and environmental sciences to get prepared for more in-depth studies in other courses in the BSc. degree in Biology.

BIOL 1130 Biodiversity (3,3,0) (E)

Prerequisite: A-Level Biology

This course covers the diversity of plant and animal kingdoms. The plant part includes the main characteristics of the major plant groups, their economic importance, distribution and morphology of representative genera. The animal part of the course presents a survey of the animal kingdom with emphasis on diversity and evolutionary relationships.

BIOL 1140 Biodiversity Laboratory (1,0,3) (E)

Co-requisite: BIOL 1130 Biodiversity

This practical course trains students to observe, characterize and identify representatives of various plant and animal groups, with emphasis on local fauna and flora.

BIOL 1160 Biological Chemistry (3,3,0) (E)

Prerequisite: A-Level Biology

This course provides students with fundamental knowledge of life's building blocks as well as the major biochemical pathways that link up with carbohydrate, lipid, protein and nucleotide metabolisms. The significance of the biochemical pathways in related to cellular and physiological phenomenon is discussed.

BIOL 1210 Cell Biology (3,3,0) (E)

Prerequisite: A-Level Biology

This course provides a general understanding of cellular functions and the ultra structures of eukaryotic and prokaryotic cells and introduces basic research tools used by cell biologists to increase the knowledge of structure and function of cells, and also to prepare students to undertake advanced biological studies.

BIOL 1240 Cell Biology Laboratory (1,0,3) (E)

Co-requisite: BIOL 1210 Cell Biology

This laboratory exercises exposes students to basic tools of research in cell biology, and enhances the understanding of the theories covered in the cell biology course.

BIOL 1310 Microbiology (3,3,0) (E)

Prerequisite: A-Level Biology

This course covers the basic principles of microbiology as well as the aspects of applied microbiology. The learning materials will include microbial morphology, taxonomy and cultivation, and the roles of microorganisms in the ecosystem, pollution control process, causing disease and biotechnological industries. The objectives of this course are to stimulate the awareness of the vast diversity of microbes which are related to our daily living and provide students a background for more advanced courses.

BIOL 1320 Microbiology Laboratory (1,0,3) (E)

Co-requisite: BIOL 1310 Microbiology

The laboratory exercise provides a wide spectrum of microbiological techniques suitable for use in field of microbiology. This course is designed to enhance, augment and reinforce lecture series and to provide students techniques in proper handling and studying of micro-organisms.

BIOL 2005 Biological Chemistry (3,3,0) (E)

Prerequisite: BIOL 1005 Introduction to Biology

This course provides students with the fundamental knowledge of the building blocks of life forms as well as the major biochemical pathways that link up with carbohydrate, lipid, protein and nucleotide metabolisms. The significance of the biochemical pathways in relation to cellular and physiological phenomenon is also discussed.

BIOL 2006 Microbiology (3,3,0) (E)

Prerequisite: BIOL 1005 Introduction to Biology

This course covers the basic principles of microbiology and selected aspects of applied microbiology. The learning materials will include microbial morphology, taxonomy and cultivation, and the roles of microorganisms in the ecosystem, pollution control process, causing disease and biotechnological industries. The objectives of this course are to stimulate the awareness of the vast diversity of microbes which are related to our daily living and equip students with the knowledge foundations for more advanced courses.

BIOL 2007 Microbiology Laboratory (1,0,3) (E)

The laboratory exercise provides a wide spectrum of microbiological techniques suitable for use in the study of microbiology. This course is designed to enhance, augment and reinforce the series of lecture and to provide students with the techniques to properly handle and study microorganisms.

BIOL 2015 Biodiversity (3,3,0) (E)

Prerequisite: BIOL 1005 Introduction to Biology

This course covers the diversity of plant and animal kingdoms. The part on plant covers the main characteristics of the major plant groups, their economic importance, distribution and morphology of representative genera. The animal part of the course presents a survey of the animal kingdom with emphasis on diversity and evolutionary relationships.

BIOL 2016 Biodiversity Laboratory (1,0,3) (E)

This practical course trains students to observe, characterize and identify representatives of various plant and animal groups, with emphasis on local fauna and flora.