

PERM 4006 Financial and Human Resources Management in Leisure Services (3,2,1) (E)

Prerequisite: PERM 2006 Organization and Administration in Physical Education and Recreation

This course provides students with the fundamental concepts and skills related to the management of financial and human resources. It also gives them opportunities to apply such knowledge and skills to solve management issues in mock sport and leisure settings.

This course enables students to understand the fundamental concepts on how financial and human resources are managed and utilized effectively in an organization; to enable students to obtain experience in the practical aspects of problem-solving and decision making techniques used to manage financial and human resources in leisure services.

PERM 4007 Leadership and Communication in Sport and Recreation (3,3,0)

This course introduces students to recreation leadership concepts and theories. It also provides students with an understanding of communication theories and processes related to public and interpersonal communication. The course offers students opportunities to practice their leadership and communication skills in sport and recreation settings.

This course enables students to acquire an understanding of the basic leadership theories, models and approaches; to be familiar with the processes of activity leadership; to be able to apply leadership skills and strategies learned in the course in leading sport and recreation activities; to develop an understanding of conflict negotiation and decision-making skills; to understand concepts, models and theories of public and interpersonal communication; to be able to apply public and interpersonal communication concepts and theories to analyse their own, interpersonal, and group behaviors; to enhance their team building and leadership skills; to improve their written and oral communication skills relevant to sport and recreation.

PERM 4015 Marketing in Leisure Services (3,2,1) (E)

Prerequisite: PERM 2006 Organization and Administration in Physical Education and Recreation

The course covers the fundamental marketing knowledge of sport and recreation and its applications in the Western and Chinese sport industry. Upon completion of the course, students should be able to (1) understand the differences between services and physical product; (2) identify the role of marketing in leisure and sport services; and (3) apply the marketing knowledge in leisure and sport services.

PERM 4016 Outdoor Recreation (3,3,0)

Prerequisite: PERM 1317 Outdoor Pursuits

This course is to introduce fundamental knowledge and issues in outdoor recreation as well as in leading recreation activities. Upon completion of the course, students should be able to (1) comprehend the fundamentals of outdoor recreation; (2) understand the nature and outdoor resources for recreation; and (3) acquire essential skills to be leaders in outdoor recreational activities.

PERM 4017 Principles and Practice of Exercise and Weight Management (3,3,0)

This course introduces students to the scientific principles underlying the design of weight management programmes. It also provides students with an understanding of the obesity issues. It enables students to: (1) understand the health risks and the etiology of obesity; (2) introduce exercise prescription and intervention to combat obesity; and (3) understand the issue of obesity and weight control in physiological, sociological, and psychological context.

PERM 4895 Honours Project (3,*,*)

Prerequisite: PERM 3006 Research Methods

This course is a required project for all BA (Hons) in Physical Education and Recreation Management students. Students

will pursue in-depth research on a specific topic of interest to the student under the guidance of appointed lecturers from the Department offering the course. Students are to consult with their advisers regarding the necessary field study, experimentation, library or archival research required, and how best to integrate this into their Honours Project.

This course enables students to initiate, conduct and write-up a research project in the physical education and reaction management field; to integrate the professional skills which have been taught in the preceding two years with specific application to a topic to produce a well-argued and documented report.

PHYS 1005 Introduction to Physics and Energy Science (3,3,0) (E)

This course introduces some basic concepts of physics with emphasis on real-life examples, in particular applications in energy science. It explores the fundamental physical principles in the workings of everyday objects and natural phenomena, everyday objects and the processes of energy conversion and usage.

PHYS 1121 General Physics I (3,3,0)

Prerequisite: AS-Level Physics, or O-Level Physics and Mathematics, or consent of the instructor

This course covers classical mechanics and thermodynamics at an introductory level. After a brief review of Newton's three laws, a number of applications illustrating the use of conservation laws with the help of calculus are discussed. This is followed by an elementary treatment of rigid body and fluid mechanics. The last part deals with thermal phenomena and the uses of statistical concepts in describing the gaseous state.

PHYS 1122 General Physics II (3,3,0)

Prerequisite: PHYS 1121 General Physics I or consent of the instructor

Introductory concepts of electricity, magnetism, electromagnetic wave and optics will be presented.

PHYS 1160 Electronics (3,3,0)

Co-requisite: PHYS 1170 Electronics Laboratory

This course aims at instilling the basic knowledge of electronic circuits, devices, and transducers (both for discrete components and integrated circuits). Operational knowledge of instruments for electrical measurement will be emphasized.

PHYS 1170 Electronics Laboratory (1,0,3)

Co-requisite: PHYS 1160 Electronics or consent of the instructor
This is a laboratory course which provides a set of experiments complementing the course PHYS 1160 Electronics.

PHYS 1320 Experimental Physics I (2,0,3)

Prerequisite: PHYS 1121 General Physics I or consent of the instructor

This course consists of a series of laboratory experiments (and lectures, for PHYS 1320) complementing the following courses: PHYS 1121-2 General Physics I & II.

PHYS 1330 Mathematical Methods of Physics (3,3,0) (E)

Prerequisite: MATH 1570 Advanced Calculus or consent of the instructor

Ordinary differential equations, partial differential equations, Fourier series, Fourier transform, Laplace transform, function of a complex variable, and applications to physics problems are discussed.

PHYS 1620 Introduction to Astronomy (3,3,0)

Introductory astronomy, from the solar system to the large scale structure of the universe, will be presented to both science and non-science students. Physical concepts will be emphasized. Presentation will be mainly on a qualitative level.