

GCNU 1026 Smart Decisions (3,3,0)

This course focuses on finding the best way to solve a given problem—the so-called operations research, management science, or optimization methods. We begin with a walk-through to help students see the hidden mathematics, or mathematical model, behind seemingly unrelated real-life situations, such as, “What is the quickest way check out a shopping mall or a tourist area?” While small-scaled problems can usually be solved by intuition or trial-and-error, a logical and systematic approach must be used to tackle the large-scaled ones. One of our main goals is to generalize the concept of “function” learned in high school and extend its applications to real-life problems. Students will learn that functions can take in different inputs other than real numbers; for examples, the route one decides to go around in the shopping mall is an input. Identifying the appropriate “function” is highly situational-dependent which is exactly where students can build the connections between real-life and mathematics. Instead of presenting cookbook-procedures as is (which we find dull, meaningless, and inflexible), we will help students understand all motivations behind the solution process; say, “How hard is the problem really?” For difficult ones (even with today’s speedy computers), it makes sense to go with the second-best or near-optimal approach than insisting on having the “best” way. We hope that this course will help students getting used to “practical-mathematics” and benefit from doing so in their future career achievements.

<http://ge.hkbu.edu.hk/course/GCNU-1026/>

GCNU 1027 Speaking of Statistics (3,3,0)

This course begins with an introduction to different ways to interpret data in a proper statistical sense or misinterpret data with unjustifiable arguments. Misuse of statistical claims and data are not at all uncommon in Hong Kong. To become a smart consumer or citizen, we must not blindly believe in everything we are being told. Even though not everyone is trained to be a statistician or a scholar (which is not what we aim to do either), having some overall idea about how statistics works helps us be aware of the phony statistics around us and remain doubtful about the credibility of various claims. This course uses real-life examples to help students build a strong connection between the presented materials to the real world. We go easy on calculations; it is more important to understand “What are we doing?” and “Why are we doing this?” than the actual calculation (which is mostly done by computer software nowadays). By having the full picture in sight, students can see why a “statistically significant” discovery can be unimportant or even irrelevant—which is commonly used to trick people who “think” they understand statistics. We hope that this course will help students strengthen and apply their logical thinking skills effectively to their reading (i.e. by identifying the suspicious data), writing (i.e. by producing honest self-favorable data), and future learning (i.e. by extending the critical skill to other fields of study).

<http://ge.hkbu.edu.hk/course/GCNU-1027/>

GCNU 1035 Introduction to Spatial Numeracy (3,2,1)

The course will teach students mathematical concepts and tools for measuring space, location and spatial relationships in terms of distance, direction, location, size, area, etc. These include plane and spherical geometries such as coordinates, latitude, longitude, Euclidean and great circle distances, etc. The course will also introduce basic quantitative spatial models and tools for mapping, positioning and navigating, for examples Google Earth, Geographical Information Systems and Global Positioning Systems, and satellite images.

<http://ge.hkbu.edu.hk/course/GCNU-1035/>

GCNU 1036 Business Numeracy (3,3,0)

Taking you clearly and concisely through numerous fundamental functions, both elementary and advanced, this course arms you with the tools necessary to not only approach numbers with more confidence, but also solve business numeracy problems more easily, analyse information more accurately, and make decisions more effectively. Quantitative writing assignments (e.g. understanding how economic indicators, market share, market

price, share prices, financial ratios, volume of units produced, profit margins, cost of living indexes, supply and demand statistics have impacts on the business environment) in this course will not only enrich students’ computational ability, but also provide an adventure for students to explore, to deduce and to draw conclusions based on numerical or other quantitative evidence.

<http://ge.hkbu.edu.hk/course/GCNU-1036/>

GCPE 1005 Badminton (1,2,0)

This course aims to acquaint students with the basic rules, knowledge, as well as the basic motor skills of badminton. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance badminton performance. Upon completion of this course, students will be able to perform the basic skills of badminton, apply the offensive and defensive strategies under game situations, and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1005/>

GCPE 1006 Basketball (1,2,0)

This course aims to acquaint students with the basic skills and techniques of basketball. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance basketball performance. Upon completion of the course, students will be able to perform basketball techniques in shooting, dribbling, passing and catching; understand the competition rules and scoring method; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1006/>

GCPE 1007 Competitive Sport for People with Special Needs (1,2,0)

This course aims to acquaint students with the knowledge in the work of a selected National Sport Association that offers competitive sport for people with mobility/sensory/health needs. It also helps students acquire knowledge in physiological and psychological effects of the selected sport practised by persons with mobility/sensory/health needs.

<http://ge.hkbu.edu.hk/course/GCPE-1007/>

GCPE 1015 DanceSport—Latin Dance (1,2,0)

This course aims to acquaint students with the fundamental knowledge and motor skills in Latin Dance of DanceSport. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance performance of Latin Dance of DanceSport. Upon completion of this course, students will be able to perform the basic routines of the selected types of Latin Dance of DanceSport; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1015/>

GCPE 1016 DanceSport—Standard Dance (1,2,0)

This course aims to acquaint students with the fundamental knowledge and motor skills in Standard Dance of DanceSport. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to Standard Dance of DanceSport. Upon completion of this course, students will be able to perform the basic routines of the selected types of Standard Dance of DanceSport; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1016/>

GCPE 1017 Exercise and Sport for People with Special Needs (1,2,0)

The course is offered to students whose mobility/sensory/health needs require special teaching and learning attention. It aims to provide students with an understanding of the benefits of exercise and sport for persons with mobility/sensory/health needs, skills to participate in exercise/sports, and knowledge in selecting and performing exercise and sport.

<http://ge.hkbu.edu.hk/course/GCPE-1017/>

GCPE 1025 Fitness and Body Building (1,2,0)

This course aims to acquaint students with the scientific bases and techniques in fitness training in the sports of body building, including weight training machines, free weights, calisthenics, fitball, body bar, and thera-band exercise. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance the effects of fitness training.

<http://ge.hkbu.edu.hk/course/GCPE-1025/>

GCPE 1026 Flag Football (1,2,0)

This course aims to acquaint students with the basic knowledge and motor skills in flag football, including the rules, scoring, terminology and equipment of flag football. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance flag football performance.

<http://ge.hkbu.edu.hk/course/GCPE-1026/>

GCPE 1027 Flying Disc (1,2,0)

This course aims to acquaint students with the basic knowledge and motor skills in Flying Disc, including the rules, scoring, terminology and equipment of Flying Disc. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance Flying Disc performance.

<http://ge.hkbu.edu.hk/course/GCPE-1027/>

GCPE 1035 Folk Dance (1,2,0)

This course aims to acquaint students with the fundamental knowledge and skills of folk dance. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance folk dance performance. Upon completion of the course, students will be able to perform selected types of folk dance; develop a sense of rhythm and confidence in dance performance; improve physical fitness; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1035/>

GCPE 1036 Golf (1,2,0)

This course aims to acquaint students with the basic skills and techniques of golf. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance golf performance. Upon completion of the course, students will be able to perform proper swinging techniques; understand etiquette and competition rules of golf; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1036/>

GCPE 1037 Gymnastics (1,2,0)

This course aims to acquaint students with the fundamental knowledge and skills of gymnastics. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance gymnastics performance. Upon completion of the course, students will be able to develop awareness and competency in performing the Dominant Movement Patterns of gymnastics; establish a sense of rhythm and confidence in gymnastics performance; improve physical fitness; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1037/>

GCPE 1045 Handball (1,2,0)

This course aims to acquaint students with the knowledge of the scientific bases of handball. It also provides students with an understanding of principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance handball performance. Upon completion of the course, students will be able to perform basic skills of handball and various types of offensive and defensive strategies, understand the rules and regulations of handball; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1045/>

GCPE 1046 Jazz Dance (1,2,0)

This course aims to acquaint students with the basic steps and movements of jazz dance. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance jazz dance performance. Upon completion of the course, students will develop a sense of rhythm and confidence in performing jazz dance, develop an appreciation of different styles of the dance form, understand the importance of physical fitness as it relates to jazz dance, and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1046/>

GCPE 1047 Korfball (1,2,0)

This course aims to acquaint students with the basic skills and simple tactics of korfball. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance korfball performance. Upon completion of the course, students will be able to perform techniques in shooting, passing and catching in korfball; understand the competition rules and scoring method for korfball; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1047/>

GCPE 1055 Soccer (1,2,0)

This course aims to acquaint students with the basic knowledge and motor skills of soccer. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance soccer performance. Upon completion of the course, students should be able to improve physical fitness through participation in soccer; become familiar with the rules, scoring, terminology and equipment of soccer; perform the basic skills, offensive and defensive strategies of soccer; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1055/>

GCPE 1056 Softball (1,2,0)

This course aims to acquaint students with the basic skills and techniques of fast-pitch softball. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance softball performance. Upon completion of the course, students should be able to perform throwing, fielding, batting and running techniques for softball; understand the official rules and regulations of softball; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1056/>

GCPE 1057 Swimming (1,2,0)

This course aims to acquaint students with the basic skills and knowledge in swimming. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance swimming performance. Upon completion of the course, students will be able to perform basic swimming strokes, such as front crawl stroke and breaststroke; understand the rules in swimming competition; improve physical fitness through participation in swimming; acquire water safety knowledge and the survival skills in water, and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1057/>

GCPE 1065 Table Tennis (1,2,0)

This course aims to acquaint students with the basic skills and techniques of table tennis. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance table tennis performance. Upon completion of the course, students will be able to perform different grips, serves and strokes of table tennis; understand the competition rules and scoring method in table tennis; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1065/>

GCPE 1066 Tai Chi (1,2,0)

This course aims to acquaint students with the basic knowledge and skills of Tai Chi. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance Tai Chi performance. Upon completion of this course, students will be able to perform the 24-form Tai Chi Chun and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1066/>

GCPE 1067 Tennis (1,2,0)

This course aims to acquaint students with the basic skills and knowledge of tennis. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance tennis performance. Upon completion of this course, students will be able to perform ground strokes, volley, smashes, and serves for tennis; understand the rules and scoring method in tennis; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1067/>

GCPE 1075 Track and Field (1,2,0)

This course aims to acquaint students with the scientific bases and techniques of track and field events. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance performance of the selected track and field events. Upon completion of this course, students will be able to perform and understand the rules of shot put, high jump, short distance running, middle distance running and relay races; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1075/>

GCPE 1076 Volleyball (1,2,0)

This course aims to acquaint students with the basic skills and techniques of volleyball. It also provides students with an understanding of the principles of a healthy lifestyle and means to apply fundamental sports science knowledge to analyse and enhance volleyball performance. Upon completion of the course, students will be able to perform techniques in passing, serving, blocking and spiking for volleyball; understand the competition rules and scoring method in volleyball; and adopt an active healthy lifestyle.

<http://ge.hkbu.edu.hk/course/GCPE-1076/>

GCPS 1005 Public Speaking (3,1,2)

The aim of this course is to help students develop their ability to prepare and present informative and persuasive speeches for delivery before a variety of social and professional audiences. It is expected that enhancing their skill in structuring their ideas and communicating them to others will contribute to their personal and professional effectiveness. To help accomplish this goal, the course will introduce the key concepts of the public speaking process and show how to apply them to construct and deliver high quality informative and persuasive speeches. Also supporting the general goal, the course will help students assess, critique, and appreciate the speeches of others by teaching them the standards of evaluation that apply to effective public speaking.

<http://ge.hkbu.edu.hk/course/GCPS-1005/>

GCVM 1005 Christian Faith and Humanistic Values (3,2,1)

Both in the West and in contemporary Chinese societies, there is a perceived tension between humanistic values and the Christian faith. Some mount a critique of the Christian faith on the basis of humanistic values, such as human rights and equality, whereas some Christians consider humanistic values deviating from genuine faith. The course will begin with putting this "quarrel" in a larger historical context, namely the interaction between Christianity and humanism in the course of western history. The course will:

(1) uncover the spiritual roots of modern Western humanism in the ancient, medieval and modern Western culture; (2) explain and assess the critique of Christianity by secular humanism; (3) explore the possibility of an integration of Christian faith with humanistic values in Christian humanism; and (4) conduct an assessment of the rivalry and reconciliation between Christianity and modern humanistic values in the Chinese context (ethical and political issues of Hong Kong, in particular).

<http://ge.hkbu.edu.hk/course/GCVM-1005/>

GCVM 1006 Dao and Good Life: Laozi and Zhuangzi (3,2,1)

What is good life? How should I live my life? What values and ethics should guide me? This course will explore the answers that the Daoist philosophers Laozi and Zhuangzi have offered to these questions. Students will be introduced: (1) the major concepts and views of Laozi on the principles of Dao and the way of life in the *Dao De Jing*, including the notion of the constant Dao of emptiness, the idea of weakness, and the concept of reversion; (2) how these principles can be employed to tackle problems in life in order to achieve a good life; and (3) major concepts and views of Zhuangzi's ethics and philosophy of life, including the notion of the Dao of transformation, the authenticity of the true self, the equality of things and opinions, etc.

<http://ge.hkbu.edu.hk/course/GCVM-1006/>

GCVM 1007 Dao, Ch'an and Personal Freedom (3,2,1)

What is freedom and what are the possibilities of humans acting freely? This course is designed to acquaint the student with an understanding of Daoism and Ch'an Buddhism in conjunction with the question of personal freedom. The course will explain how Ch'an is a blending of Daoism and Buddhism, and how a form of other-worldly oriented freedom of early Buddhism has been transformed into a form of this-worldly oriented freedom in Ch'an Buddhism. Special attention will be given to contemporary interpretation of the texts related to the concept of freedom and the traditional understanding of freedom related to other ethical issues such as happiness, personal integrity, and responsibility in both Daoist and Buddhist traditions.

<http://ge.hkbu.edu.hk/course/GCVM-1007/>

GCVM 1015 Ethical Controversies in Hong Kong Today (3,2,1)

This course is designed to provide students with an introduction to ethical theories and their applications to ethical issues in Hong Kong in the last few years. The course will begin with an overview of the major ethical schools, namely, utilitarianism, deontological theories and virtue ethics, which will provide students with some basic concepts that can be used throughout the course to understand ethical problems. It will continue by looking at selected topics of ethical controversies in Hong Kong society. Major areas may include topics such as life and death; love, sex and marriage; environmental ethics and business ethics. Within this format, we will give special attention to issues relevant to these considerations in Hong Kong today.

<http://ge.hkbu.edu.hk/course/GCVM-1015/>

GCVM 1016 Ethics for Professionals in a Multicultural World (3,2,1)

This course examines a set of problems and dilemmas (e.g. deception, privacy and confidentiality, professional dissent, social responsibility and justice, professional virtue) that arise across a broad range of professions (e.g. business, medicine, journalism, social work, education, accounting), and discusses how they can be approached in morally and culturally sensitive ways. Students will recognize that life in many professions involves grappling with some common and interconnected ethical issues through case studies. Codes of conduct of different professions and codes of conduct of the same profession in different cultures will be compared. Different patterns of moral reasoning and their underpinning moral philosophies (deontological theory, Utilitarianism and virtue ethics) will be examined.

<http://ge.hkbu.edu.hk/course/GCVM-1016/>