**MCM 7060 Formulation Theories and (3,3,0) (P)
Practices of Chinese Medicinal Formulae**
This course will allow students to learn through induction and analysis of the pattern of the various formulation theories, and incorporated with cases study and analysis in clinical practice, students will be able to have a thorough mastery of the formulation theories. Their ability to analyse clinical symptoms, establish judgment according to the symptoms, and compose formulation according to the judgment will be strengthened.

**MCM 7070 Studies and Applications of the (3,3,0) (P)
Science of Seasonal Febrile Diseases**
This course is to strengthen students' knowledge of the theories of epidemic febrile diseases and mastery of the basic pattern of treating diseases by the theory. Students will be able to skilfully apply "treatment methods and formulae" of the theory in treating various kinds of (acute) infectious diseases of epidemic febrile diseases.

**MCM 7080 Examination and Diagnosis of (3,3,0) (P)
Musculoskeletal Disorders**
On completion of this course, student are expected to be able to demonstrate (1) skills in carrying out clinical examination for a preliminary diagnosis of common musculoskeletal disorders; (2) the ability to examine x-ray films and identify common abnormalities; and (3) the ability to interpret ultrasound, arthrography, computed tomography (CT) and magnetic resonance imaging (MRI) reports.

**MCM 7100 Theoretical and Clinical Studies (4,3,0) (P)
on the Miscellaneous Diseases of Internal
Medicine**
The course provides students with the knowledge of the characteristics and advantages of treating miscellaneous diseases of internal medicine by Chinese medicine. Students will be able to master the current research practices of Chinese medicine theories as well as the pattern of differentiation of syndromes of rare and common diseases of internal medicine. Their standard of diagnosis and treatment in clinical practice will be enhanced in order to meet the practical needs.

**MCM 7110 Studies and Applications of the (4,3,0) (P)
Theory of Zhong Jing**
This course provides students with a synthetical study of the thoughts of Zhong Jing including his theories on differentiation of syndromes in diagnosis and application of Chinese medicinal formulae. Students will be able to have a thorough understanding in the differentiation of syndromes in diagnosis established by Zhang Zhongjing and participate in the discussion of the difficulties, queries and controversial points. The course focuses on the theories and applications of the theory. Emphasis will be put on the theories and applications of medicinal formulae with a view to developing the theory of Zhong Jing.

**MCM 7120 Clinical Practice—Studies and (5,*,0)
Applications of Internal Chinese Medicine**
This course enables students to gain practical experience in treating miscellaneous diseases of internal Chinese medicine. Through clinical observation and practice, students will be able to master the pattern of differentiation of syndromes of diagnosis of common diseases, frequently encountered diseases and rare diseases, and hence apply the knowledge learnt in their clinical practice.

**MCM 7130 Clinical Acupuncture—Advanced (4,3,0) (P)
Level**
This course is built upon traditional acupuncture theory, as well as prior knowledge of acupuncture mechanisms and modern diagnostic techniques. It aims to enhance the ability of students in the areas of diagnosis, symptom differentiation and treatment in dealing with conditions commonly seen in acupuncture practice. Specific emphasis will be put on case study and clinical studies of the documentations, so that the strengths and weaknesses of various acupuncture treatment methods can be compared. On completion of this course, students will be able to (1) apply different methods of acupuncture treatment for symptoms of common conditions, and (2) demonstrate a systematical knowledge of the recent advances in acupuncture therapy.

**MCM 7140 Physiological Basis and (4,3,0) (P)
Experimental Studies of Acupuncture and
Moxibustion**
On completion of this course, students are expected to be able to demonstrate (1) knowledge of physiological systems related to acupuncture and moxibustion therapies, especially the process of pain sensation, somatoautonomic reflexes, and neuro-endocrine regulation of physiological functions; (2) the ability to explain the therapeutic effects of acupuncture and moxibustion in terms of their influence on the human physiological systems; and (3) knowledge of current research concerning the mechanisms of acupuncture and moxibustion.

**MCM 7150 Clincial Practice—Studies and (5,*,0)
Applications of Acupuncture**
Through the practicum training, students will be able to enhance their ability in applying skills of diagnosis, symptom differentiation and treatment in an organized way for handling diseases commonly treated by acupuncture. After finishing the course, students will be able to determine the treatment of pathogenesis obtained through differentiation of symptoms and treat common diseases skilfully by various methods of acupuncture. At the same time, students will also understand the development and obtain experience of clinical treatment of modern acupuncture.

**MCM 7160 Tui Na Therapy of Chinese (4,3,0) (P)
Medicine**
With instruction and demonstration of Tui Na, students will be able to comprehend the basic theories of Tui Na, and the occurrence and programme of diseases. Students are also expected to master the treatment techniques and functions of Tui Na, as well as treatment methods for various kinds of diseases.

**MCM 7170 Orthopaedics and Traumatology (4,3,0) (P)
Therapy of Chinese Medicine**
With the instruction and demonstration of the basic theories and treatment methods, students will be able to comprehend the etiology, pathogenesis, and the pattern of symptom differentiation of the diseases. Students are also expected to have a thorough mastery of the traditional treatment methods and maneuver principles of Chinese medicine to the diseases. The course covers bone fractures, tendon dislocations and bone diseases.

**MCM 7180 Clinical Practice—Studies and (5,*,0)
Applications of Orthopaedics and
Traumatology and Tui Na**
The course provides training opportunities to students in treating diseases and injuries of bone, joints and muscles by applying Chinese medicine theories and clinical skills. Through observation and practice, students will master the pattern of symptom differentiation of common and rare diseases, as well as the maneuvers of Tui Na and bone treatment. Students are expected to apply the knowledge in clinical practice.

MCM 7260 Dissertation (6,*,*)
The aims of this course are (1) to identify an appropriate research or creative topic; (2) to develop and apply methodologies and techniques appropriate to the topic chosen; and (3) to present the results of the research or creative work in the dissertation, which may be a portfolio of compositions.

**MCM 7280 Marketing and Management for the (2,0,0) (P)
Pharmaceutical Industry**
This course is designed to provide students with the essential marketing and management knowledge and skills for the pharmaceutical industry. It examines the principles of marketing and management, with emphasis on marketing concept and

consumer behaviour, marketing mix management, marketing planning, strategic planning and development of business plans. It adopts a case study approach to relate students with the real world situation.

MFFM 7010   Topics in Probability Theory and   (3,3,0)
Stochastic Processes
Topics from conditional expectations, Markov china, Markov processes, Brownian motion, and martingales, and their applications to stochastic calculus.

MFFM 7020   Derivatives I   (3,3,0) (E)
An introduction to the theory and practice of pricing and hedging of derivative securities. Coverage of equity and index, foreign currency, commodity, and interest-rate derivatives. Basic mathematical concepts and the institutional structure of derivative markets are discussed.

MFFM 7030   Computational Finance   (3,3,0)
Basic numerical methods, (floating-point arithmetic, numerical linear algebra, solutions of non-linear equations, interpolation, curve fitting, splines, differentiation, integration, Monte-Carlo methods, ordinary differential equations) numerical solutions of PDEs (finite-difference methods for parabolic PDEs, stability, convergence, applications to Black-Scholes equations, free-boundary problems, applications to pricing American options) and probabilistic methods (random variables, generation, Monte-Carlo simulation, binomial tree models, stochastic differential equations).

MFFM 7040   Time Series Analysis   (3,3,0)
Covers various kinds of time series models, including ARIMA, GARCH, unit roots and co-integration, and vector autoregressive models. Students will gain hands-on experience with all models learned in this course.

MFFM 7050   Mathematical Finance   (3,3,0)
Topics from replication of trading strategies, arbitrage, completeness, martingale representation theorem, fundamental theorem of finance, stochastic differential equations, and Black-Scholes formula of option pricing.

MFFM 7060   Derivatives II   (3,3,0)
Coverage of exotic options, discrete and continuous pricing models, and pricing techniques. Develops the economic foundations of the theory of derivatives and a mathematical toolkit to analyse standard instruments and "dissect" exotic ones.

MFFM 7070   Quantitative Methods   (3,3,0) (E)
Statistical concepts and simulation methods are introduced. Use statistics and simulation software as a computational aid to carry out the computation. The students will learn how to organize and analyse data with the guidance of statistical concepts and methods. This module also introduces the ideas on how to choose appropriate statistical and simulation methods to deal with the finance problems of interest.

MFFM 7080   Fixed Income Markets   (3,3,0) (E)
Provides a quantitative approach to fixed income instrument use. Covers the mathematics of bond pricing, term structure analysis, and pricing of credit risk. Trees and Monte Carlo methods of valuation are presented.

MFFM 7090   Foundations of Finance   (3,3,0) (E)
Study of financial decision-making processes within a firm. Emphasis on applications and strategic planning in investment, financing, dividend, and working capital decisions. The course also covers market microstructure, including participants, exchange structure, trading platforms, and liquidity and volatility issues related to exchange and off-exchange trading.

MFFM 7100   Risk Management   (3,3,0) (E)
Risk managers have to determine which risk a firm is exposed to, and must choose which risk to keep, which to shed, and which to hedge. The emphasis of this course is on state-of-the-art risk management practices. This course will introduce the different risk sources which are quantified and managed by financial institutions. Topics covered will include market risk, credit risk and operational risk. Special attention is also paid to the various products in the financial markets with emphasis on their valuations and models. The course will also cover some case studies that help to understand the financial crisis.

MFFM 7110   Financial Data Modelling   (3,3,0) (E)
Study of financial tools in swaps and volatility trading using nonlinear instruments and engineering convexity. The course also covers event correlation and correlation trading strategies.

MFFM 7120   Corporate Finance   (3,3,0) (E)
The course provides an introduction to security analysis and portfolio management. The focus is placed on the financial theory and analytical tools for making investment decisions. The course covers a broad range of topics including the financial markets and instruments, portfolio theory and asset allocation, the capital asset pricing model, multifactor pricing model and their applications, market efficiency and behavioural finance, stock valuation techniques, performance evaluation and portfolio management.

MFFM 7130   Legal, Regulatory and Ethical   (3,3,0) (E)
Aspects of Financial Engineering
Coverage of the legal, regulatory and compliance aspects of derivative use and the current legal standing of derivatives and regulatory issues associated with derivatives. The issues of risk measurement, risk oversight, and transparency of derivatives markets and disclosure issues are covered.

MGNT 7080   Managing People in the Public   (3,3,0)
Sector
Public personnel management is widely recognized as a critical element of democratic society and effective public administration of a given city. Today, government and non-profit organizations are confronted with tighter budgets with limited funding and keener competition in the labour market. Recent changes in information technology, communication patterns, social issues, and demographic compositions have resulted in an increasingly use of privatization of some services such as outsourcing, franchise agreements, vouchers, and contracting. This course introduces to students, in addition to all relevant HRM issues and functions, major organizational behaviour theories and concepts.

MGNT 7090   Strategic Management and Business   (3,3,0)
Policy
Strategic Management is a big picture course that builds upon diverse business fields such as management, economics, marketing, finance, and accounting, among others. This course deals with an organization's overall postures from both inside and outside. It provides students with an integrative learning experience by applying what they have learned in their separate functional courses. The purpose is to help students develop strategic management knowledge and skills, gain experience in using the tools for strategic analysis, and apply the concepts to the real world situation. The case analysis is used extensively, and the focus is on how media companies and obtain a substainable competitive advantage.

MGNT 7110   Board Structure, Process and   (4,4,0) (E)
Leadership
Company directors perform two major functions. The first is to make strategic decisions, such as setting their firm's long-term strategy and making investment and finance decisions. The second is the monitoring function, such as appointment of