

abortion, stress management, capital punishment, and war). This course also aims at widening students' perspective on life and death through exploring relevant philosophical and religious ideas of both Western and Chinese culture.

本科目為應用倫理學的入門課程，集中探討有關生與死的議題，例如自殺、安樂死、放棄維持生命的治療、墮胎、死刑和戰爭。學生透過閱讀中西方哲學及宗教的文獻，可拓寬他們對生與死的視野。

R.P. 1370 Ethics of Marriage and the Family (3,2,1) **婚姻與家庭倫理學**

This course begins with a brief introduction to the history of the structure of the traditional Chinese and Christian families. Students will then be introduced to the debates over marriage and the family in the end of the 20th century and are expected to gain a thorough view of the relevant ethical issues. By applying moral theories and principles, students are encouraged to make relevant moral judgments on them.

本科目開始時會簡單介紹中國及基督教家庭結構的歷史。然後，我們會研讀二十世紀末關於婚姻及家庭的辯論，從而了解今日有關這方面的道德議題。學生應該透過運用道德理論及原則，嘗試找出適當的道德判斷。

R.P. 1380 Moral Leadership (3,2,1) **道德領導**

One major goal of ethics education is to sensitize people to ethical problems in the specific contexts of their daily lives and to empower them to ethical decision making. University students in particular are likely to take up leadership positions in business, civil administration, government and the professions. The power that comes with such positions requires not just professional leadership qualities but also moral competence and integrity. This course will provide students with an ethical framework which facilitates moral sensibility and moral reasoning and thus offers an avenue for the acquisition of moral leadership.

道德教育其中一個主要的目標是培養人們在既定的日常生活背景中，能夠敏銳地察覺到道德問題的存在，並且有能力作道德的抉擇。大學生是特別有機會於商界、公共管理部門、政府部門及專業界肩負領導的角色。這些職位所給予的權力，不但需要專業的領導才能，還需要道德的能力和正直的人格。本科目提供一個倫理學的架構，加強學生對道德的敏感度和推理能力，幫助學生成為一位道德領袖。

R.P. 1390 Philosophy of Love (3,2,1) **愛的哲學**

This course focuses attention on the nature and manifestations of love in those forms that are capable of being scrutinized philosophically. In addition to introducing a variety of classical and contemporary philosophical theories, some reference is made to theories arising out of other disciplines, such as religion or psychology. Specific problems relating to sexuality, marriage and friendship are isolated and a search for viable solutions for the 21st century is carried out.

本科目介紹愛的本質和表現，並著重那些能以哲學角度去審視的多種形式的愛。除了教授各種傳統和當代的哲學理論外，一些如宗教、心理學等學科的相關理論亦會涉及。對於某些有關性、婚姻、友情等的個別問題，也會在本課程中嘗試尋找在二十一世紀中的可行答案。

R.P. 1410 Practical Issues in Social Philosophy (3,2,1) **社會哲學實用課題**

This course provides an overview of some major themes in social philosophy. Topics such as liberty, equality, justice, toleration and human rights will be explored. Different views on the relevant issues will be critically discussed. Students will be encouraged to develop their own critical approach to relevant social issues.

本科目綜論社會哲學的幾個主要的課題：自由、平等、公正、寬容和人權。本課程會就有關課題引介不同的理論觀點，並對有關觀點加以批判和討論。本課程在引介有關課題的理論思想的同時，亦會針對一些和上述課題有關的實際社會問題，對此等問題作出反思。本科亦鼓勵同學們發展自己的批判思考進路，並應用有關進路來處理該等社會問題。

R.P. 1420 Religious Quest in Films (3,3,1) **電影中的宗教追尋**

The course recognizes films as a powerful media comparable to literature in providing modern people with an important venue for experiencing, appreciating and reflecting on the dramatic nature of human life and its myriad conflicts of values and cultures, especially in this globalized and networked world. Film producers and directors so often reach for the ultimate elevation of the human spirit through religious themes and overtones in films. This course helps students to analyse film with reference to its latent religious and ethical dimensions. Through appreciating and analysing great films students would be able to experience the value enhancement and intellectual enlightenment characteristic of tertiary education.

本科目視電影為相當於文學的一種有力媒介，它為現代人在當今全球化網絡化的世界中提供一個經歷、欣賞和反省人生戲劇性及人生林林總總價值與文化衝突的重要渠道。電影製作人及導演們經常通過電影之宗教課題及餘韻以達致人類靈性上之終極升格。本科目幫助學生分析電影中潛在之宗教及倫理向度。通過對偉大電影的分析及欣賞，學生將經歷到專上教育對學生智性上之啟蒙及價值觀上之提升。

R.P. 1430 Romantic Love in Chinese and Western Cultures (3,2,1) **中西文化中之浪漫愛情觀**

The course introduces the development of the idea of romantic love in modern Chinese and Western cultures. It examines the deeper cultural dynamics that give birth to the idea in its modern form, and compares and contrasts it to the idea in its traditional Chinese form. The psychology of romantic love, and its role in the formation of modern identity, will be explored. Possible patterns and ethical orientations of the romantic love activities and the religious and ethical transformations of romantic love will also be explored.

本科目介紹中西文化中浪漫愛情觀的發展，探究孕育出西方現代愛情觀的深層文化動力，並將西方愛情觀與傳統中國愛情觀作對照比較。本科亦探討愛情之心理學及現代愛情對現代人的身分構成所扮演的角色。本科亦會探索浪漫愛情活動的道德取向及可能模式，以及宗教及道德對愛情之轉化作用。

R.P. 1440 Sexuality and Christian Values (3,2,1) **性與基督教價值觀**

This course introduces students to the integral relation between sexuality and humanity from a Christian perspective. It studies the changing sexual values in the last few decades in the West, the subsequent movement in Hong Kong and the underlying ideologies. It surveys Christian views on sexuality from the perspectives of the scriptures, history and theology. The values in contemporary sex culture and the Christian tradition are compared and evaluated in the discussions of various issues, such as pornography, prostitution, marriage and family, homosexual relations, procreation and new birth technologies, and gender roles. The course ends with an evaluation of the relevance of religious values in a pluralistic society.

本科目由基督教觀點介紹性與人的整合關係。它探討西方近數十年來性價值觀的轉變，以及隨後在香港的有關運動，及其背後的意識形態。它從基督教聖經、歷史和神學論述基督教的性價值觀。它嘗試從不同的課題（如色情、娼妓、婚姻與家庭、同性戀關係、生殖和生殖科技，及性別角色等課題），來比較及評論當代性文化價值觀和基督教傳統價值觀。本課程以宗教價值在多元社會的意義作總結。

R.P. 1460 Religious Values and Pop Culture (3,2,1)

This is a course that helps students to analyse pop culture and to learn to utilize various forms and manifestations of pop culture to critically reflect on life and society, in doing so students would be able to demonstrate their value-enhancement and intellect-enhancement gained through higher education. The course utilizes various forms of pop culture such as films, games, Internet web innovations and modern play and drama as powerful new cultural media comparable to literature as modern people's main venue for experiencing, appreciating and reflecting on human life. Such reflections of modern life would be taken to the religious

dimension in its search for meaning and value that seeks to transcend temporality and secularity of life, and reaches for the ultimate elevation of the human spirit. The course examines the various ways in which modern people's myriad endeavors in socio-cultural actions embark on a profound search for human reality, possibility, value and meaning in this globalized and networked world.

R.P. 1510 Virtuous Living in a Virtual World (3,2,1)

The advent of the Internet has produced a revolutionary set of possibilities for technologically sophisticated people, but simultaneously it has created new temptations and complicated traps which threaten wise and virtuous forms of life. After introducing a modern history of the emergence of the World Wide Web, students will be introduced to a vision of reality (including playfulness, serious life, and transformation) by which the multi-form nature and uses of the Internet can be discerned. Subsequently, several forms of ethical thinking and moral considerations will be introduced, so that students will be enabled to address and evaluate ethical problems found within cyberspace. Problems to be discussed will include cyber-utopianism, addictive practices leading to social alienation, telling lies within virtual contexts, deceitful tactics involving false identities, sexual ploys applied in cyberspace and their negative consequences, and various forms of cyber-bullying. It will be argued that actual caring communal relationships, virtuous familial ties and friendships assist persons in bringing balance, humility, humour, discernment and integrity to virtual relationships.

R.P. 1520 Biotechnology, Altering Nature, and Being Human (3,2,1)

This course integrates knowledge in molecular biology and philosophy (including the religious perspectives). New biotechnology is a key part of the biological revolution in the 21st century, which makes news headlines from time to time. It includes assisted reproduction, genetic therapy, genetic engineering, cloning, and stem cell manipulation. It can modify our food and our environment, alter ourselves and our offspring. It offers high hopes and arouses deep fears at the same time. This course is divided into three parts. Part I: Biology—understanding the molecular biology behind the latest biotechnological advances (e.g. molecular cloning, stem cell, the Human Genome Project, regenerative medicine). Part II: From Biology to Philosophy—understanding the notions of “nature”, “altering nature”, “improving nature”, and “unnatural” from both the biological and philosophical perspectives. Part III: Philosophical Anthropology—exploring how we can set the moral guidelines so that, via biotechnological intervention of nature, human beings will neither play god nor play slave of nature, but just being human. This course begins with basic literacy in molecular biology and ends with the philosophical puzzle, “what is humanity?”.

R.P. 2040 Philosophy of the Christian Religion (3,2,1)
基督教哲學

This course expresses the Christian faith in a philosophically comprehensible way. It starts with the Christian perception of reality and concept of knowledge, and then presents the Christian understanding of the knowledge of God and human existence. It further introduces the Christian notions of creation and redemption, and the significance of Jesus Christ in the unfolding of human history. The relevance of Christian faith for modern man will also be discussed.

本科目由一個整全的哲學進路來闡釋基督教信仰。它自基督教本體論及知識論開始，帶出基督教的上帝觀和人觀，進而介紹基督教的創造和救贖概念，以及耶穌基督在人類歷史上所展現的意義。本課程也會討論基督教信仰對現代人的關係。

R.P. 2100 Art and Aesthetics (3,2,1)
藝術與美學

This course begins by probing the nature of artistic phenomena and the relation of art to human development. This discussion will be followed by an introduction to representative aesthetic theories in the Chinese and Western contexts, illustrated by

appropriate masterpieces. The course will then identify the nature of different art media, including discussions of visual arts and performing arts. It will then outline the fundamentals of art appreciation and then discuss the relation among art, culture and society. Students will attend talk by invited artists, art exhibitions and performances.

本科目探究藝術現象的本質問題和藝術與人類發展的關係。課程內容包括：（一）介紹中國及西方中具代表性的藝術及美學理論，並以相關之藝術作品說明；（二）認識不同藝術媒體的性質，包括視覺藝術與表現藝術等；（三）實踐藝術欣賞，並討論藝術、文化和社會三者的關係。學生將出席藝術工作者的分享座談，並參觀藝術展覽及演出。

SCI 1620 You and Your Environment (3,3,0)

This course aims to introduce to non-major students the principles and issues in environmental sciences. The topics selected will demonstrate how environmental issues relate to our everyday life. By showing how environmental and resource problems are interrelated, students should be able to understand the concepts and principles in solving environmental and resource problems.

SCI 1710 Science in Today's Society (3,3,0)

This course examines the impacts of science and technology on the many facets of modern living. The various issues to be discussed include environmental issues, health issues, biotechnology and bioethical issues, proper use and abuse of statistics, nuclear energy and high-tech weaponry, impacts of a cyber world and risk-benefit analysis in science and technology.

SCI 2110 Systems and Control Theory (3,3,0)

Prerequisite: MATH 1120 Linear Algebra, MATH 1140 Computational Mathematics, MATH 1550 Calculus and Linear Algebra or MATH 1590 Calculus and Linear Algebra for Chemistry

Many problems in social science, economics, and engineering, can be modelled as linear systems. This course studies the properties of linear systems and how they can be controlled. Emphasis will be placed in understanding the important issues involved in the design and implementation of linear systems, in particular the stability analysis of feedback systems. Examples will be drawn from a wide range of fields.

SCI 2910 Logistics—Planning, Management, and Analysis (3,3,0)

This course introduces the fundamental modelling techniques and analysis for logistics problems. This course will address all major issues in logistics. The course will mainly concentrate on establishing the mathematical models for various logistics problems. The solution

techniques and algorithms will be also mentioned for the resulting mathematical problems. Numerous practical examples will be discussed and analysed to illustrate the modeling techniques for logistics problems. The students will learn through various examples illustrated in class to master the techniques in establishing the mathematical models for logistics problems. In addition, some computer packages will be also used to solve the resulting mathematical problems.

SCI 3110 Environmental Chemistry and Pollution Control (3,3,0)

Prerequisite: Year III standing (Environmental Studies Concentration)

This course describes the sources, transport, reactivity and sink of contaminants in the environment together with various technology options used for pollution control.

SCI 3120 Environmental Studies Laboratory (1,0,3)

Prerequisite: Year III standing (Environmental Studies Concentration)

These are practical sessions consisting of experiments utilizing the techniques commonly used in environmental studies. In addition to laboratory exercises, a field-based project will be