

They will also acquire a global and critical sensibility with respect to culture as manifested in both material and symbolic realms. Students will engage with issues and acquire knowledge and skills in identifying, profiling and discussing them. In brief, the course will act as a capstone of the programme where the culmination of inter-disciplinary knowledge can be actualized.

LCS 3310 A History of Personal Writings (3,*,*)

This course introduces a variety of personal writings to students. Starting with the form, content and structure, the course will go on to give a historical overview of major pieces of personal narratives of different types, and examine the significant role played by memory in the construction of personal narratives. The course will also discuss the interesting mixture of fact and fiction in any personal writing, as well as the intriguing relationship between the subject and object of the narrative. In the course of the semester, students will also have a chance to create their own personal narratives and be guided to recognize the power of this writing in relation to their personal growth.

LCS 3320 The Critical and Creative Spirit: The Case of Historical Fiction (3,*,*)

This course aims to demonstrate the interrelationship between creativity and the critical spirit through the examination and discussion of the historical fiction. While it is generally believed that creativity and the critical spirit are two separate and sometimes even opposite approaches and qualities, this course hopes to show that they are two sides of the same coin. Through a study of the historical fiction, students will see the creative aspects of a critical research, and how being critical is an important step towards creativity.

LCS 3330 Creative Writing in Practice (3,*,*)

This course provides both the theoretical knowledge and the opportunity for practical experience to students who are interested in discovering their creativity and exercising it in writing. An introduction to the creative process and the basic approaches to creativity are given at the beginning of the course, before students are taken through selected types of creative work. The course focuses equally on careful guidance in students' appreciation of creative works, as well as in their own creative practice.

LCS 3340 The World of Theatre (3,*,*)

This course aims to introduce the major forms in theatre from the West to the East. It discusses the relation between different theatre aesthetics and forms, and its relation to reality, and the historical and social background. It helps students to analyse and appreciate different styles and genres of theatre, their aesthetic principle, and their relation with their time and culture. It will also show examples of theatre forms with the help of original texts, and videos or live performances. Students will have the opportunity to see live theatre performances and have discussion with theatre artists.

LCS 3350 Exploring the City (3,*,*)

This course aims to enhance students' understanding of the city. While cities are diverse and exciting, they also pose challenging problems. Through the examination of classic and contemporary texts on the city, students will acquire an in-depth understanding of key developments in the study of the city. Case studies will also be used to develop the analytical techniques of the students.

LCS 3360 Great Thinkers on Meanings of Life (3,*,*)

This course aims to promote students' reflection on existential questions about life and its values by introducing them to philosophical thoughts of classical and modern thinkers of both the Chinese and the Western cultures. The focus will be on the meaning of human life. It will provide students with inspiring intellectual discourses of the selected thinkers and their self exploration and speculation process. The course will analyse philosophical texts written by these thinkers and the answers they offer on the issue of the meaning of life. Finally, it will encourage students to examine their own value systems and living attitudes to

life, and to relate them to the human conditions discussed by the thinkers. This course is also designed to introduce philosophical thinking.

LCS 3370 Digital Media and Culture (3,*,*)

This course aims to introduce students to a comprehensive overview of theories of digital media in contemporary culture. Based on a historical understanding of digital media developments, the course explores the role of new media in a globally networked world. It also examines the social, political and economic influences of new digital technologies on culture, industry, creativity and community from cross-disciplinary perspectives.

LSE 7010 Approaches to the Study of Values (3,3,0)

This course begins with an introduction to both religious and philosophical moral theories and principles in preparing students to analyse important issues that they face in their daily life. In order to enhance their social awareness, an issue-enquiry approach will be used to train them applying those methods derived from these theories and principles in facilitating morally acceptable solutions. This course will also help students learn how to conduct research projects on ethical issues in major areas of liberal studies.

LSE 7020 Critical Thinking for Liberal Studies (3,3,0)

To tackle and resolve many of the issues in liberal studies demands strong analytical power and good skills of critical thinking. This course mainly provides for secondary school teachers a basic introduction to critical thinking, with the emphasis on applications to issues in liberal studies. Students in this course are expected to learn the basic skills in logico-linguistic analysis, the detection of fallacies and logical and scientific methods. Examples will be mainly taken from the areas covered by liberal studies.

LSE 7030 Ethical Issues in Personal Development and Interpersonal Relationships (3,3,0)

Senior secondary school students typically experience a number of ethical challenges as they grow and begin the transition into adulthood. These may relate not only to the physiological changes they are experiencing, but also to their psychological development, their social adjustment, and their philosophical and religious self-understanding as human beings in a rapidly-changing world. This course mainly prepares secondary school teachers to deal with such issues in a direct and responsible manner as they arise during the teaching of the liberal studies curriculum. Emphasis will be placed on both a theoretical grounding in and a practical application of scholarly views on topics such as sexual difference, self-esteem, personal growth, stress-management, ethical decision-making, religious commitments, basic lifestyle choices, and fostering of harmonious relationships with family, friends, and potential life partners.

LSE 7040 Values and Socio-Cultural Issues in Hong Kong Today (3,3,0)

This course intends to provide better understanding of contemporary Hong Kong through an examination of various socio-cultural issues. The issues will be studied in broader social, cultural and religious contexts and examined critically from an axiological perspective. Students are expected to acquire a sense of value that extends beyond the mere acquisition of knowledge. However, due cognizance will be taken to the need of helping students to be better prepared to teach related programme. Some discussion themes covered in this programme have been intended to match the requirements of the curriculum structure for liberal studies in secondary schools.

LSE 7050 Traditional Values and Moral Challenges in Modern China (3,3,0)

This course begins with an introduction to the background of the reform and opening-up drive of China since the end of 1978.

Then the impacts of this reform and opening-up process on the evolution of Chinese culture will be examined. It ends with a critical reflection on the modernization and future development of Chinese culture. It mainly deals with the issues intended to match the requirements of the curriculum structure for liberal studies in secondary schools.

LSE 7060 Globalization: Cultural and Ethical Issues (3,3,0)

This course will critically discuss the entrenched and enduring patterns of worldwide interconnectedness in our times known as globalization. Though the dynamic of globalization is basically economic, the cultural and political features of this process will be given equal attention. In the light of the multifaceted impact of globalization, this course will analyse the moral debate between its critics and defenders and will provide critical assessments from both philosophical and religious perspectives. It mainly deals with the issues intended to match the requirements of the curriculum structure for liberal studies in secondary schools.

LSE 7070 Public Health and the Common Good (3,3,0)

In the course we will examine the experience of health and illness at the societal level from both scientific and ethical perspectives. The course seeks to reveal the spread of diseases and health problems in the population, and their determining factors. It also asks how do populations and groups of individuals go about securing their health? In particular we will consider the major health problems that have had the greatest impact on our community and their causes, and the place of science and technology in dealing with related problems. The emphasis will be put on how scientific reasoning has been used to solve health problems. In this course, the roles of the individual and society in maintaining good public health and handling possible public health crises will also be explored. We will discuss, in particular, the responsibilities of individuals, health care professionals and government in maintaining and promoting public health. In this connection, individuals' rights in general and patients' rights in particular will be discussed, and moral issues arising from the allocation of public resources and using biotechnology in public health care will be examined.

LSE 7080 Science, Technology and Environmental Ethics (3,3,0)

This course deals with the ethical dilemma of modern application of science and technology in our pursuit of a better world. Science and technology have greatly enhanced the quality of our lives and our productivity. Yet, they do so at the expense of the environment and other life forms including our future generations. The ethical problem of the effects of science and technology on the environment will be tackled critically from historical, ethical, religious, and individual perspectives. This course mainly deals with the issues intended to match the requirements of the curriculum structure for liberal studies in secondary schools.

LSE 7090 Religion and Liberal Studies (3,3,0)

The study of religion is highly relevant to liberal studies. This course introduces to students the multifaceted relationship between religion and other components of culture, society, and the various dimensions of the human self. Different approaches to the study of religion will also be introduced.

LSE 7100 Cross-modular Topics in Liberal Studies (3,3,0)

Several issues which encompass multiple dimensions of themes pertinent to liberal studies will be explored, so that students' understanding of the interconnectedness of these areas of study and means of teaching them to senior secondary school students will be enhanced. Issues studied here will engage explorations into different perspectives of liberal studies and the insights gained by understanding their interrelationships. These perspectives will have three main areas of study—self and personal development; society and culture; science, technology and the environment—as well as any one or several of the issues involved in independent

inquiry (e.g. media, education, religion, sports, arts, information and communication technology).

LSE 7111-2 Dissertation (3,*,*)

This is an optional class for competent students who have determined an appropriate topic through consultation with their chosen faculty adviser. Students will pursue in-depth research on a specific topic in Liberal Studies. Pertinent themes include those related to any of the three main areas of study—self and personal development; society and culture; science, technology and the environment—as well as topics itemized as relevant areas for independent inquiry which also engage more or less with the above three main areas of studies (e.g. media, education, religion, sports, arts, information and communication technology). The length of the dissertation should be either about 15,000 Chinese characters or about 12,000 English words (not including bibliography and footnotes).

MATH 1000 Supplementary Mathematics (Calculus and Linear Algebra) (0,3,0)

This course deals with the basic linear algebra, elementary functions and elementary calculus. It provides a good foundation for the students who have not taken AL Pure Mathematics.

MATH 1111 Mathematical Analysis I (3,3,1)

Prerequisite: Year I standing

This course deals with the basic theory of analysis in real-valued functions in single variable. It provides students with a good foundation for more advanced courses in the mathematical science major. Topics include real numbers, sequences and series, limit and continuity, differentiation and indefinite integral.

MATH 1112 Mathematical Analysis II (3,3,1)

Prerequisite: MATH 1111 Mathematical Analysis I

This course deals with the basic theory of analysis in real-valued functions in single variable. It provides students with a good foundation for more advanced courses in the mathematical science major. Topics include sequences and series, Riemann integrals and power series.

MATH 1120 Linear Algebra (3,3,1)

Prerequisite: Year I standing

Linear equations, matrices, determinants. Introduction to vector spaces and linear transformations and bases. Inner products and orthogonality. Eigenvalues and eigenvectors; diagonalization. Least squares problems. Applications. The course emphasizes matrix and vector calculations and applications. Numerical experiments with Matlab® in advanced lecture.

MATH 1130 Discrete Structures (3,2,1)

This course addresses a variety of fundamental topics in computer science, including propositional logic, proof technique, set theory, combinatorics, graph theory, and Boolean algebra.

MATH 1140 Computational Mathematics (3,3,0)

Prerequisite: MATH 1000 Supplementary Mathematics (Calculus and Linear Algebra) or Grade D or above in AL Pure Mathematics

This course aims to introduce Computer Science major students to the basic concepts in modern computational mathematics and its application. It provides various solid fundamental concepts and knowledge for modelling, real life application and optimization. Topics include advanced vector Algebra, number system, linear systems, various numerical methods, power method, numerical optimization and multivariable calculus. Practical applications and programming techniques are both emphasized.

MATH 1550 Calculus and Linear Algebra (3,3,0)

This course introduces topics in linear algebra, mathematical analysis and differential equations. Applications to chemistry are provided.