

COURSE DESCRIPTIONS 科目簡介

COURSES FOR 4-YEAR UNDERGRADUATE PROGRAMMES

CCC8002 The Making of Hong Kong (3 credits) (recoded to CCC8012 from 2017-18)

This inter-disciplinary course introduces students to essential facts and knowledge on the nature of society, politics, economy and business in contemporary Hong Kong. Through historical and comparative perspectives, students will be able to develop local as well as global perspectives on Hong Kong society, and will consider implications for future policy and practice.

CCC8011 Critical Thinking: Analysis and Argumentation (3 credits)

The primary aim of this course is to teach first year students the basic but crucial skills of analysing problems, evaluating inferences, and presenting arguments for or against claims or decisions. Students will acquire these skills by learning about the basic concepts and methods of critical thinking, and by working through problem solving exercises requiring them to employ these concepts and methods. Students will further develop these skills by producing extended arguments defending what they take to be the correct responses to accessible but challenging real issues and problems. The course also aspires to instill in students an open and inquiring attitude, so that students are more willing to look for reasons for and against their views, and more willing to change their views in the face of evidence. Hence, it is hoped that students will develop a habit of reasoning carefully upon completion of this course.

CCC8012 The Making of Hong Kong (3 credits) (revised and recoded from CCC8002 from 2017-18)

This inter-disciplinary course introduces students to essential facts and knowledge on the nature of society, politics and economy in contemporary Hong Kong. Students will be able to develop local as well as global perspectives on Hong Kong society, and will consider implications for future policy and practice from multiple perspectives.

CCC8013 The Process of Science (3 credits)

From 2026-27

This course introduces students the process of science, quantitative reasoning, and the role that science plays in the contemporary world. It comprises weekly 1.5-hour lectures and 1.5-hour laboratories. The course is framed within the context of Sustainable Development Goals (SDGs), a globally relevant framework that resonates with students across all disciplines. The lectures, delivered in big lecture hall, examine the nature of scientific inquiry, the core principles of quantitative reasoning, and the societal dimensions of science. The labs, conducted in small-class settings (approx. 35 students), provide students the opportunities to conduct their own independent individual research projects, where students apply quantitative techniques, and critically reflect on sustainability issues, including climate change, waste management, fast fashion, and urban pollution, and thereby connecting theoretical knowledge to tangible real world challenges.

From 2023-24 to 2025-26

This course introduces students to the process of science and the role that science plays in today's world. Students will meet once per week for a 1.5-hour lecture and a 1.5-hour lab section. The lecture portion develops the students' understanding of how science works, the role of science in the world, the concepts of Sustainable Development Goals (SDG) and introduces some of the great challenges in science and technology we are facing today.

Instructional methods include lectures, short videos, small group class activities, and individual reflection. The lab portion introduces students to the process of science, provides students opportunities conducting their own independent research projects (i.e. climate change, waste management, fast fashion, urban pollution), and allows students to discuss the scientific issues in small-class settings. Instructional methods include lab demonstrations and small group class activities, and allow them to conduct their own independent research project. Where appropriate, blended learning activities will be implemented in this course.

In 2022-23 or before

This course will introduce students to the process of science and the role that science plays in today's world. Students will meet twice per week for 1-hour lectures and for once each week in a 1-hour tutorial/lab section. The lecture portion will develop the students' understanding of how science works, the role of science in the world, and introduce some of the great challenges in science and technology facing the human population today. Instructional methods will include lectures, short videos, small group class activities, and individual reflection and writing. The lab portion will introduce students to the process of science and allow them to conduct their own independent research project. Where appropriate, this course will use technology to allow "flipped classrooms".

CCC8014 China in World History (3 credits)

From 2023-24

This course provides students a variety of historical frameworks to analyse the development of China's global role and relationships. The course will follow a basic chronological framework from antiquity to the present day, divided into three distinct units. In the first unit, we will study the development from the first humans to the emergence of the East Asian world order. In the second unit, we will examine the emergence of the global order from the Mongolian empire to the re-centering of the world's economy from Asia to the Atlantic world. In the third unit, we will look at China's changing role on the international stage in the 19th and 20th centuries. In each unit, the instruction will emphasise particular patterns of interaction between China and the other countries and peoples. Over the whole course, we will study how those patterns evolved, and the changing, different roles that China has played on the world's stage.

In 2022-23 or before

This common core course focuses on China's political, economic and cultural interactions with the rest of the world from ancient times to the present, and the impact of such contacts on both China and the world. Through analyzing some important historical events and topics grouped under four major themes, the course will examine China's changing relations with the major regions of the world, China's contacts with the other parts of the world, the changing mutual perceptions of China and the rest of the world, and comparisons of Chinese practices and institutions and those of other regions.

CCC8015 Generative Artificial Intelligence (3 credits)

(Restriction(s): Students who have taken CLD9099b Special Topics in CLD Cluster: Generative Artificial Intelligence (deleted from 2025-26) cannot enrol in this course.)

This course introduces generative artificial intelligence (AI), including fundamental concepts, basic techniques for generating text, images and audio, methods for evaluating and enhancing models, and ethical considerations. Through lectures and hands-on labs, students with no prior AI knowledge will gain practical skills in implementing, critiquing, and refining generative models.