

CSCI2003: INTRODUCTION TO TECHNOPRENEURSHIP & INTELLECTUAL PROPERTY RIGHTS

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Introduction to Technopreneurship & Intellectual Property Rights

Subject Code

CSCI - College of Science

Course Number

2003

Academic Unit

College of Science (SI)

College/School

College of Science (SI)

Course Duration

One Semester

Credit Units

3

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

The aims of this course are to introduce students to: (a) the theoretical and practical know-hows in technopreneurship, i.e. scientific and/or technological entrepreneurship, and (b) the essential knowledge about intellectual property rights and means to protect them. These fundamental knowledge are useful to students embarking on scientific research and innovation in terms of instilling the mindset of seeking and identifying application values in new research ideas and intellectual creations, as well as to recognize, protect and maximize those ideas and creations.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Identify key elements in the success of selected global/regional/local technopreneurs, and identify and evaluate technological trends that have potentials for future growth.	10		x	
2	Identify skills required for effective technopreneurial storytelling.	20		x	
3	Describe the various types of intellectual property rights, and means to safeguard them and to avoid infringing others' rights.	30		x	
4	Critically evaluate the qualities of technopreneurs through site visits and interactions with business mentors	30	x		x
5	Describe funding potential and path of technopreneurship in Hong Kong and the rest of the Great Bay Asia.	10		x	

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	In-class discussions	Students will be asked to identify global/regional/local technopreneurs in their selected fields of study, and to evaluate those key factors and unique technological elements in their businesses leading to their success.	1	
2	Lectures	Lectures on following topics will be given: (a) types of intellectual property and means with which they can be protected will be given. Legal meanings of the vocabularies commonly used in intellectual property law; (b) funding opportunities students can obtain if they wish to commercialise their ideas; (c) learning agility, and how is learning agility applied in the technopreneurial world.	2, 3, 5	
3	Site visit	Site visits to selected technology-related companies will be arranged. Students are required to analyse the business models and viability of those companies in their site visit reports.	4	
4	Oral presentations	Students will be asked to deliver oral presentations on research/innovation ideas they have conceived for a technology-related venture and critically evaluate the business viability of their fellow classmates' ideas.	1, 2	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	In-class discussions	1, 3, 4	30	-	Yes
2	Site visit reports	1, 4	0	-	Yes
3	Oral presentations	1, 2, 3, 5	40	-	Yes

Continuous Assessment (%)

70

Examination (%)

30

Assessment Rubrics (AR)**Assessment Task**

In class discussions

Criterion

Capability in describing details of global/regional/local technopreneurs and their technology-related business, as well as identifying key technological elements leading to their success.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Below marginal levels

Assessment Task

Site visit reports

Criterion

Capability in critically evaluate the business models and viability of technology-related companies.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Below marginal levels

Assessment Task

Oral presentations

Criterion

Capability in delivering and critically evaluate oral presentations of research/innovation ideas for technology-related ventures.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Below marginal levels

Assessment Task

Examination

Criterion

Demonstration of understanding the principles and practice of various topics of IP rights and their protection, as well as the various fundamental aspects of technopreneurship.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Below marginal levels

Part III Other Information

Keyword Syllabus

Nil

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	Nil