

# CSCI2003: INTRODUCTION TO TECHNOPRENEURSHIP & INTELLECTUAL PROPERTY RIGHTS

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**Effective Term**

Semester B 2022/23

## 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.

**Teaching and Learning Activities (TLAs)**

	<b>TLAs</b>	<b>Brief Description</b>	<b>CILO No.</b>	<b>Hours/week (if applicable)</b>
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 (e.g. Parameter for GenAI use)
1	In-class discussions	1, 3, 4	30	
2	Site visit reports	1, 4		
3	Oral presentations	1, 2, 3, 5	40	

**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

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**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

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**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

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## Part III Other Information

### Keyword Syllabus

Nil

### Reading List

#### Compulsory Readings

Title	
1	Nil

#### Additional Readings

Title	
1	Nil