

CSCI4001: CO-OPERATIVE EDUCATION SCHEME FOR SCIENCE STUDENTS

Effective Term

Summer Term 2024

Part I Course Overview

Course Title

Co-operative Education Scheme for Science Students

Subject Code

CSCI - College of Science

Course Number

4001

Academic Unit

College of Science (SI)

College/School

College of Science (SI)

Course Duration

Non-standard Duration

Other Course Duration

6 – 7 months

Credit Units

0-6

Level

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

Medium of Instruction

Other Languages

Other Languages for Medium of Instruction

Depending on host and host country: Chinese & English if host is in Hong Kong, Taiwan and Mainland. English if host is English speaking or in non-Chinese speaking countries

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

CSCI4001A Co-operative Education Scheme for Science Students

Exclusive Courses

FS4001 Co-operative Education Scheme (CES)

Part II Course Details**Abstract**

This course aims to provide students with the opportunity to:

- (a) integrate the knowledge they acquired in classroom and apply it in real work setting;
- (b) appreciate work ethics and professionalism in real work environment;
- (c) appreciate team work, group / organizational behaviour in a work environment; and
- (d) develop an understanding of the operation of industry, based on which students can further plan their career.

It is conducted at the host company/institution whereby students are jointly supervised by the host mentor and the CityU supervisor.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Recognize and practise the soft skills that are required at workplace				
2	Describe the setting of the industry and the operations of the host company/institution				
3	Recognize and practise the roles of professionals in the industry				
4	Apply and integrate the knowledge acquired in the classroom at workplace				
5	Acquire the abilities for future career development				

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		Pre-attachment Training activities to prepare students for work	1, 2, 3, 5	1 hour before training begins

2		Undertake an industry or research-based project at the host company/ institution and gain relevant experience through day-to-day work	1, 2, 3, 4, 5	No less than 240 hours
3		Interaction and communication with CSCI staff as well as general counselling.	1, 3	On need basis throughout training period; 6-7 months
4		Keeping a training log	2, 4	Throughout training period; 6-7 months
5		Supervisory visits/ meetings to discuss and review the internship with students and mentors.	1, 2, 3, 4, 5	3-4 visits
6		Giving a presentation that summarizes the learning during the industrial or research training.	1, 2, 3, 4, 5	20 mins in total

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assessment of Log Book	2, 4	10	
2	Feedback from training company/institution through discussion, visits, questionnaires, and visit/ meeting reports of CityU supervisors	1, 2, 3, 4, 5	60	
3	Final presentation	1, 2, 3, 4, 5	30	

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

1. Log Book

Criterion

Ability to record precisely (a) the accomplished tasks and output if any, (b) the student' s observation and analysis and (c) the knowledge/skills acquired by the students during the period.

Failure (F)

Not meeting marginal standard

Assessment Task

2. Final Presentation

Criterion

Ability to well-organize the content materials and communicate with the audience confidently through the presentation in an effective manner, supported with good eye contact, vocal expression, poise, appropriate pace and time management and to answer the questions asked as thoroughly and precisely as one can.

Failure (F)

Not meeting marginal standard

Assessment Task

3. Day-to-day duty

Criterion

Ability to deliver one' s assigned duties in an efficient and effective manner, at the same time demonstrating excellent (a) work attitude (b) problem solving abilities (c) critical and analytical skills and (d) communication and interpersonal skills

Failure (F)

Not meeting marginal standard

Part III Other Information

Keyword Syllabus

Nil

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	Nil