

CSCI4005: OVERSEAS INTERNSHIP SCHEME FOR SCIENCE STUDENT

Effective Term

Semester A 2024/25

Part I Course Overview

Course Title

Overseas Internship Scheme for Science Student

Subject Code

CSCI - College of Science

Course Number

4005

Academic Unit

College of Science (SI)

College/School

College of Science (SI)

Course Duration

Non-standard Duration

Other Course Duration

9-13 weeks

Credit Units

3

Level

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

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

- (1) This course is designed for students who have completed Year 3
- (2) All job specifications and requirements must be submitted to CSCI Office for prior approval.
- (3) Pre-attachment Training

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

FS4005 Overseas Internship Scheme

Part II Course Details**Abstract**

This course aims to provide students with the opportunity to acquire research skills and experience the life of a full-time researcher in a research environment and/or experience real work in an industrial setting overseas. From the work/research experience, students learn to:

- (a) integrate the knowledge they acquired in classroom and apply it to work;
- (b) appreciate work ethics and professionalism;
- (c) appreciate team work, group / organizational behaviour;
- (d) develop an understanding of the operation of industry or research, based on which students can further plan their career; and (e) appreciate the cultural diversity of the host country and broaden their horizon.

It is conducted at the host company/institution overseas 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 the workplace / research environment				
2	Describe the setting of the industry and the operations of the host company; or describe the research, its setting and its operations				
3	Recognize and practise the roles of professionals in the industry or researchers in research				
4	Integrate the knowledge acquired in the classroom and apply it to workplace / research				

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	3 hrs in total before training begins
2		Undertake a training or research project overseas	1, 2, 3, 4	No less than 120 hours

3		Interaction and communication with CSCI staff as well as general counselling	1, 3	On a need basis throughout training period; 9-13 weeks
4		Keeping a training log	2, 4	Throughout training period; 9-13 weeks
5		Skype meeting to discuss and review the internship with students and mentors.	1, 2, 3, 4	One Skype meeting
6		Giving a presentation that summarizes the learning during the industrial training.	1, 2, 3, 4	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 through discussion, Skype meeting, questionnaires, and visit reports of CityU supervisors	1, 2, 3, 4	60	
3	Final presentation	1, 2, 3, 4	30	

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

1. Research work (if applicable)

Criterion

Ability to (a) conduct the research and complete the tasks assigned by the supervisors meeting their standards and requirements (b) perform effective self-learning enabling the student to deliver the assigned tasks (c) communicate effectively and regularly with the research team members / supervisors (d) demonstrate initiative and fine attitude at all times

Failure (F)

Not meeting marginal standard

Assessment Task

2. Progress & Final Reports

Criterion

Able to (a) present one's research work in a well-organized manner (b) discuss and evaluate it critically and analytically (c) draw meaningful and valid conclusions.

Failure (F)

Not meeting marginal standard

Assessment Task

3. Logbook

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

4. 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

5. 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