

SDSC3026: INTERNATIONAL PROFESSIONAL DEVELOPMENT

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

International Professional Development

Subject Code

SDSC - Data Science

Course Number

3026

Academic Unit

Data Science (DS)

College/School

College of Computing (CC)

Course Duration

One Semester

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 Co-operative Education Centre (CEC) for prior approval.
- (3) Pre-attachment Training

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course provides students with the opportunity to develop essential research skills and experience the life of a full-time researcher in either a research environment or an industrial setting overseas. Through this immersive experience, students will learn to:

- Integrate classroom knowledge and apply it in real-world contexts.
- Understand the importance of work ethics and professionalism.
- Collaborate effectively and appreciate team dynamics and organizational behavior.
- Gain insights into the operations of industry or research, helping them plan their future careers.
- Appreciate the cultural diversity of the host country, broadening their perspectives.

The course is conducted at partner companies or institutions overseas, where students receive joint supervision from both a mentor at the host organization and a supervisor from CityUHK. This collaborative approach enhances their learning and professional development.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Recognize and practise the soft skills essential for success in the workplace or research environment				x
2	Describe the industry context and operational dynamics of the host company/institution; OR describe the research setting and its functions			x	
3	Recognize and practise the roles of professionals in the industry or researchers in a research setting		x		
4	Integrate classroom knowledge and apply it effectively in real-world workplace or research scenarios		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	Pre-attachment Training activities to prepare students for work		1, 2, 3	3 hours in total before training begins

2	Interaction and communication with staff in Co-op Centre as well as general counselling		1, 3	On need basis throughout training period; 9-13 weeks
3	Keeping a training log		2, 4	Throughout training period; 9-13 weeks
4	Zoom meeting to discuss and review the internship with students and mentors.		1, 2, 3, 4	One Skype meeting
5	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 ("-" for nil entry)	Allow Use of GenAI?
1	Assessment of Log Book	2, 4	30		
2	Feedback from training company through discussion, Skype meeting, questionnaires, and visit reports of CityUHK supervisors	1, 2, 3, 4	40		
3	Final presentation	1, 2, 3, 4	30		

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

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

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

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

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

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