

# SDSC3080: INTERNSHIP

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## Effective Term

Semester A 2023/24

## Part I Course Overview

### Course Title

Internship

### Subject Code

SDSC - School of Data Science

### Course Number

3080

### Academic Unit

School of Data Science (DS)

### College/School

School of Data Science (DS)

### Course Duration

One Semester

### Credit Units

3

### Level

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

### Medium of Instruction

English

### Medium of Assessment

English

### Prerequisites

The internship should be programme-related. Prior approval should be sought from the programme leader.

### Precursors

Nil

### Equivalent Courses

Nil

### Exclusive Courses

Nil

## Part II Course Details

### Abstract

This course aims to provide students with real life working experience in local and/or overseas industries, businesses, and organizations for a minimum of 6 weeks full-time (or 225 hours for part-time). Students are expected to gain practical and

comprehensive understanding of data science tasks, business operations and professional environment by applying data science theories and skills that they have learned in the curriculum. Students will develop skills in effective communication in individual/team work, time management, the acquisition, analysis, visualization, and modeling of data, etc. The course will enhance the students' competitiveness in the job market.

### Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Communicate effectively with the industrial and university supervisors to demonstrate the ability to accomplish the internship tasks, and the continuous learning experience.	x		
2	Demonstrate the ability to apply the theories and acquired from the curriculum in real world data analytics problems.		x	
3	Reflect on personal strengths and weaknesses, and identify the key development needs and set short and long term strategic goals for future career development.			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 self-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)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Internship <ul style="list-style-type: none"> <li>· Students need to work at least 6 weeks full-time (or 225 hours for part-time) in a company in Hong Kong, Mainland, Macau, Taiwan or overseas.</li> <li>· Students are required to seek the approval of an internship coordinator to be his/her academic supervisor before he/she enrolls in the course. The nature of the job has to meet the requirement of the course.</li> <li>· Students are expected to secure internships either by themselves or through the assistance of SDSC or CityU' s Career and Leadership Centre.</li> <li>· An internship report is required at the end of the internship.</li> <li>· The student must attend a pre-internship briefing session which will be arranged in the 2nd quarter of each academic year.</li> </ul>	1, 2, 3	
2	Interim review	An interim review should be conducted in the middle of the intern. The review shall take the form of onsite/on-line discussion, and the submission of an interim report. It is a means of self-reflection and sharing of learning experience.	1, 2, 3

3	Internship sharing session	A sharing session would be organized for students to learn from each other. Students are required to present his/her internship experience with other students.	1, 2, 3	
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**Assessment Tasks / Activities (ATs)**

	ATs	CILO No.	Weighting (%)	Remarks
1	Internship report	1, 2, 3	30	
2	Interim review	1, 2, 3	30	
3	Internship sharing presentation	1, 2, 3	10	
4	Evaluation by the industrial supervisor	1, 2	30	

**Continuous Assessment (%)**

100

**Examination (%)**

0

**Assessment Rubrics (AR)****Assessment Task**

Internship report

**Criterion**

Ability to identify and address the data science problems with the theories and skills learned in the curriculum. Ability to identify and meet the practical challenges that arise from real world problems.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

**Assessment Task**

Interim review

**Criterion**

Capacity for self-initiated learning to understand the principles of internship and the progress of the internship.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

Internship sharing presentation

**Criterion**

Ability to explain the internship experience to the academic supervisor and other students.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

Evaluation by the industrial supervisor

**Criterion**

Capacity for good working attitude and teamwork in internship.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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## Part III Other Information

### Keyword Syllabus

Internship, real world applications, data science practice, career planning, effective communication.

### Reading List

#### Compulsory Readings

Title	
1	Nil

#### Additional Readings

Title	
1	Nil