



School of Bioinnovation and Bio-based Product Intelligence (SCIN)  
Program in Bioinnovation (International Program, Multidisciplinary Program)  
Course: SCIN 303 Internship for Innovation and Entrepreneurship II

Degree  Bachelor  Master  Doctoral  
Faculty of Science

<b>Course Code and Course Title</b>	English SCIN 303 Internship for Innovation and Entrepreneurship II Thai วิชา ๓๐๓ การฝึกปฏิบัติงานและศึกษาดูงานเสริมสร้างประสบการณ์ทางนวัตกรรมและวิสาหกิจ ๒
<b>Number of Credits</b>	3 (0-9-3)
<b>Curriculum and Course Type</b>	Program of Study Bachelor's Degree Program in Science and Technology (International Program, Multidisciplinary Program) Course Type Core course
<b>Course Coordinator</b>	Thitisilp Kijchavengkul, Ph.D. Address: School of Bioinnovation and Bio-based Intelligence, Room SC1-306 Faculty of Science Building 1, Mahidol University, Salaya Campus Tel: 090-986-5764 email: <a href="mailto:thitisilp.kij@mahidol.edu">thitisilp.kij@mahidol.edu</a>
<b>Semester/Year of Study</b>	Academic Year 2024 Second Semester (2/2024) / Third Year
<b>Prerequisite</b>	SCIN 203 Internship for Innovation and Entrepreneurship I
<b>Co-requisite</b>	None
<b>Day/Time/Study Site Location</b>	-
<b>Date of Latest Revision</b>	2 January 2025

### Course Learning Outcomes (CLOs)

After successful completion of this course, students are able to

1. Exhibit professional skills with virtue, harmony, and adaptation in working with others.
2. Exhibit proper adaptation of STEM knowledge in the real situation
3. Perform necessary skills for innovation creation

### Objectives of Development / Revision

To be a course that students integrated all studied knowledge. Apply in real implementation like personnel of the internship site, under the systematically supervision of internship site/university. Students can participate in selecting the internship site of their interest, which make students increase the interest in learning. Increasing vocational experience and self-development, which make the branch has curriculum development system and continuous developing students to have quality from internship site comments. So that makes students be graduates with properties matching to vocation market.



School of Bioinnovation and Bio-based Product Intelligence (SCIN)  
 Program in Bioinnovation (International Program, Multidisciplinary Program)  
 Course: SCIN 303 Internship for Innovation and Entrepreneurship II

Degree  Bachelor  Master  Doctoral  
 Faculty of Science

### Course Description

Field professional practicum in R&D and innovation development in public organizations and private enterprises; management and implementation of raw materials; used technology; production line; quality control; product distribution; marketing; logistics and supply chain of the enterprise and related business.

### Credit Hours / Trimester

Theory (Hours)	Addition Class (Hours)	Laboratory/Field trip/ Internship (Hours)	Self-study (Hours)
-	-	135 Hours/Semester (9 Hours x 15 Weeks)	45 Hours/Semester (3 Hours x 15 Weeks)

### Number of Hours per Week for Individual Advice

3 hours per week or student requirement during prescribed date and time

### Evaluation of the CLOs

Course Learning Outcomes	Measurement Method			Weight (%)
	Evaluation from employer	Evaluation from faculty	Presentation/Report	
CLO1 Exhibit professional skills with virtue, harmony, and adaptation in working with others.	10%	-	-	10%
CLO2 Exhibit proper adaptation of STEM knowledge in the real situation	20%	10%	15%	45%
CLO3 Perform necessary skills for innovation creation	20%	10%	15%	45%
<b>Total</b>	<b>50%</b>	<b>20%</b>	<b>30%</b>	<b>100%</b>

### Measurement and evaluation

After completion of the evaluation process each student is assigned a criterion-referenced grade (as shown in the table below). Evaluation and achievement will be justifying according to Faculty and University code, conducted by grading system of A, B+, B, C+, C, D and F. To pass this course, student must earn a grade of a least D.

Total Percentage of Evaluation	Below 20	20-29	30-39	40-49	50-59	60-69	70-79	80-100
Grade	F	D	D+	C	C+	B	B+	A



School of Bioinnovation and Bio-based Product Intelligence (SCIN)  
Program in Bioinnovation (International Program, Multidisciplinary Program)  
Course: SCIN 303 Internship for Innovation and Entrepreneurship II

Degree  Bachelor  Master  Doctoral  
Faculty of Science

Teaching Schedule 1<sup>st</sup> Semester of Academic Year 2023

Week	Topic	Number of Hours		Instructor
		Lecture	Laboratory	
1	Internship	-	9	SCIN faculty
2		-	9	
3		-	9	
4		-	9	
5		-	9	
6		-	9	
7		-	9	
8		-	9	
9		-	9	
10		-	9	
11		-	9	
12		-	9	
13		-	9	
14		-	9	
15		-	9	