



Course Code and Course Title	English SCIN 203 Internship for Innovation and Entrepreneurship I Thai วิชา ๒๐๓ การฝึกปฏิบัติงาน และการศึกษาดูงานเสริมสร้างประสบการณ์ทางนวัตกรรม และวิสาหกิจ ๑
Number of Credits	3 (0-9-3)
Curriculum and Course Type	Program of Bachelor's Degree Program in Science and Technology (International Program, Multidisciplinary Program) Course Type Specific Courses
Course Coordinator	Assoc. Prof. Kanyaratt Supaibulwatana, Ph.D. Address: B.400 Rm., 4 th Fl., B. Bld. Faculty of Science, Mahidol University, 272 Rama VI Road, Ratchathewi, Bangkok 10400 Tel. 02-201-5470; e-mail: kanyaratt.sup@mahidol.ac.th
Semester/Year of Study	Academic Year 2022 First Semester (1/2022) / Third Year
Prerequisite	None
Co-requisite	None
Day/Time/Study Site Location	- Wednesday / 13.00 AM – 16.00 AM / hybrid system (online + onsite) - Date & times as mentioned in the course schedule - Appointment for class is possibly modified and TBA to class Faculty of Science, Mahidol University, Payathai Campus
Date of Latest Revision	15 July 2022

Course Learning Outcomes (CLOs)

After successful completion of this course, students are able to

1. Explain the concept of innovation and entrepreneurship.
2. Understand the useful of science and technology in creating of innovation and understand the production and problem that happened.
3. Working with team and inspect activities from the best practice, failure or mistake of team work.
4. Assess the benefits, opportunities, and challenges of innovator in professional way.
5. Practice skills of critical thinking, create and analyze question, solve problem, discussion and presentation.

Course Description

Principles and process of field study and field professional practicum on management of public R&D organizations and private enterprises; invention and quality product development; innovation management of community enterprise and community business; entrepreneurship effect on community, economic and public society; evaluation; hold a seminar to report the results of internship program.



Credit Hours / Trimester

Theory (Hours)	Addition Class (Hours)	Laboratory/Field trip/ Internship/Conference (Hours)	Self-study (Hours)
-	Online webinar (occasionally)	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 (%)
	Class Attendance, Participation and Behavior in Class	Written Exam	Class Project	
CLO1 Experience and understand real working situation from the field trip / industrial plant studies	15%	-	15%	30%
CLO2 Analyze cases concerning creative thinking and innovation from training and workshop	30%	-	20%	50%
CLO3 Collaboratively conduct projects on topics of field trip/internship	10%	-	10%	20%
Total	70%	-	30%	100%

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 50	50-54.99	55-59.99	60-64.99	65-69.99	70-74.99	75-79.99	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 203 Internship for Innovation and Entrepreneurship I

Degree Bachelor Master Doctoral
Faculty of Science

Teaching staff:

Code	Name	Email
KS	Assoc.Prof. Dr. Kanyaratt Supaibulwatana (Course Coordinator) N.107, N. Bld. (MUSC-Payathai)	Kanyaratt.sup@mahidol.ac.th
AR	Assist.Prof. Dr. Adisak Romsang K.610, K. Bld. (MUSC-Payathai)	adisak.rom@mahidol.ac.th
KB	Mr. Kanchit Boonruang Stang Mongkolsuk Library and Information Division	kanchit.boo@mahidol.ac.th
SA	Assist.Prof. Dr. Somkid Amornsamankul M.204/5, M. Bld. (MUSC-Payathai)	somkid.amo@mahidol.ac.th
SU	Assist.Prof. Dr. Suntaree Unhapipat B.205/1, B. Bld. (MUSC-Payathai)	suntaree.unh@mahidol.ac.th
WL	Dr. Wasakorn Laesanklang B.203/1, B. Bld. (MUSC-Payathai)	wasakorn.lae@mahidol.ac.th
WT	Assoc.Prof. Dr. Wannapong Triampo R.3/1, SC. Bld. (MUSC-Salaya)	Wannapong.tri@mahidol.ac.th
NS	Ms. Nathayanan Somphod (B.Sc. program coordinator)	nathayanan.som@mahidol.ac.th
	Invited Speakers from private company and other organizations	



School of Bioinnovation and Bio-based Product Intelligence (SCIN)
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Course Schedule: Year 2022

Session	Date	Topic	Number of Hours		Instructor
			Lecture / Conference	Laboratory/ Workshop	
1	20 Jul 2022	Introduction and class assignment of internship program - Specification and skills require for field training and working experiences	3	0	KS
2	19 Jul 2022	Design thinking and digital fabrication 'Future skills and trend of startup'	3	6	WT
3	20 Jul 2022	Occupational Health and Safety - OHS	10	2	AR
	26 Jul 2022				
4	21 Jul 2022	Introduction to Data Analysis using Excel	6	3	SA, SU, WL
5	22 Jul 2022	Introduction to Data Optimization	6	3	SA, WL
6	TBA	Significant concern of Plagiarism and how check plagiarism with "Turn It In" program	2	1	KB
7	TBA	Field trips / Industrial plant studies / Internship Practice	0	36	KS
8	TBA	Conclusion of the training, workshop and internship program	0	3	KS
		- Preparation of student profile for Internship program and the important of interview and communication skills			
9	TBA	Internship presentation	0	6	KS
			30	60	