Course Code and Course Title	English: SCIN201 Creating an Innovation Culture
	Thai: วทนว ๒๐๑ การสร้างวัฒนธรรมนวัตกรรม
Number of Credits	1 (1-0-2)
Curriculum and Course Type	Program of Study Bachelor's Degree Program in Science and Technology
	(International Program, Multidisciplinary Program)
	Course Type Specific course
Course Coordinator and Teaching Staff	Dr Sitthivut Charoensutthivarakul (SC)
	Address: K618 Chalermphrakiat Building
	School of Bioinnovation and Bio-based Product Intelligence,
	Faculty of Science, Mahidol University
	Tel: 0-2201-5956 email: sitthivut.cha@mahidol.edu
Semester/Year of Study	Academic Year 2020 Second Semester (2/2020)
Prerequisite	None
Co-requisite	None
Day/Time/Study Site Location	Tuesday 10.30-12.00
	Faculty of Science, Mahidol University, Salaya Campus
Date of Latest Revision	16 January 2020

Course Learning Outcomes (CLOs)

After successful completion of this course, students are able to

CLO 1 Gain basic idea about innovation, innovation cycle and value in innovation

CLO 2 Understand concept in culture and innovation

CLO 3 Create innovation mindset and strategy

CLO 4 Lead and manage innovative culture

Objectives of Development / Revision

1. Gain basic idea about innovation, innovation cycle and value in innovation
2. Understand concept in culture and innovation
3. Create innovation mindset and strategy
4. Lead and manage innovative culture

Course Description

Students will be inspired with concepts of innovative culture creation by introducing the students to innovation, innovation cycle and how to create value out of the innovative ideas. Innovative culture concepts will be added to shape student's mindset. Case study about innovation is a big part of the class which will be discussed to understand an innovation strategy. One of the main objectives is to create leadership for innovative culture and learn how to manage the culture.

Credit Hours / Trimester

Theory (Hours)	Addition Class (Hours)	Laboratory/Field trip/ Internship (Hours)	Self-study (Hours)
15 Hours/Semester (1.5 Hours x 10 Weeks)	-	-	30 Hours/Semester (2 Hours x 15 Weeks)

Number of Hours per Week for Individual Advice

1 hour per week by appointment at K618 Faculty of Science, Mahidol University, Phyathai Campus or online via https://mahidol.webex.com/meet/sitthivut.cha

Evaluation of the CLOs

Course Learning Outcomes		Measurement Method			Weight (%)
		Class Attendance, Participation and Behavior in Class	Written Exam	Home work/Project	
CLO1	Gain basic idea about innovation, innovation cycle and value in innovation	5%	10%	-	10%
CLO2	Understand concept in culture and innovation	5%	10%	-	10%
CLO3	Create innovation mindset and strategy	10%	-	25%	35%
CLO4	Lead and manage innovative culture	10%	-	25%	35%
	Total	30%	20%	50%	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	55-59	60-64	65-69	70-74	75-79	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: SCIN201 Creating an Innovation Culture

Degree ☑ Bachelor ☐ Master ☐ Doctoral
Faculty of Science

Teaching Schedule 2nd Semester of Academic Year 2020

Week	Date	Topic	Hour		Instructor
			Lecture	Lab	
1	19 Jan	Course introduction, Introductory innovation	1.5	0	SC (online)
2	26 Jan	Innovation cycle, Using Innovation to Create Value	1.5	0	SC (online)
3	2 Feb	Culture and innovation culture concepts	1.5	0	SC (online)
4	9 Feb	Creating an Innovation Mindset, Leadership and Management to create an innovative culture	1.5	0	SC (online)
5	16 Feb	Developing an Innovation Strategy: case study 1	1.5	0	SC (online)
6	23 Feb	Developing an Innovation Strategy: case study 2	1.5	0	SC (online)
7	2 Mar	No class	-	-	-
8	9 Mar	Developing an Innovation Strategy: case study 3	1.5	0	SC
Midterm examination					
11	23 Mar	Developing an Innovation Strategy: case study 4 and class presentation consultation	1.5	0	SC
12	30 Mar	No class	-	-	-
13	6 Apr	No class (Chakri Memorial Day)	-	-	-
14	13 Apr	No class (Songkran)	-	-	-
15	20 Apr	Class Presentation	1.5	0	SC
16	27 Apr	Class Presentation	1.5	0	SC
17	4 May	No class	-	-	-
Final examination					

Online class: https://mahidol.webex.com/meet/sitthivut.cha

Onsite class: SCX-XXX at the Faculty of Science, Mahidol University at Salaya