



## SYLLABUS

**Name of Institution:** Mahidol University International College

**Division:** Business Administration Division

### GENERAL INFORMATION

#### 1. Course Code and Course Title

Thai	ICMB 364/ 314 การจัดการดำเนินงานและบริหารโครงการ
English	ICMB 364/ 314 Operations and Project Management

**2. Number of Credits:** 4 credits

#### 3. Credit Hours/Semester

Lecture or Other In-class Activity Hours	Laboratory/ Field Trip/ Internship Hours	Self-Study Hours
48	0	96

**4. Degree:** Bachelor of Business Administration

#### 5. Faculty Members:

Name: Dr. Wanny Oentoro  
Email: [dr.wannyMUIC@gmail.com](mailto:dr.wannyMUIC@gmail.com)  
Telephone: N/A  
Office: N/A  
Office Hours: N/A

**6. Trimester/Academic Year:** T2/2020-2021

**7. Pre-requisites:** ICMB 201 Business Statistics  
ICMB 207 Management of Business Information

## DESCRIPTION AND OBJECTIVES

### 1. Course Description

Thai	แนวคิดใหม่ โมเดล และเครื่องมือสำหรับการวางแผน การประสานงาน การจัดการบุคลากร การควบคุมระบบสายการผลิต และการกระจายสินค้า ในหลากหลายตัวอย่างของอุตสาหกรรมการผลิตและการให้บริการ
English	Modern concepts, models and tools for planning, organizing, staffing, leading and controlling the production and distribution of goods and services, in various industries.

### 2. Course Objectives

Course Learning Objective (CLO)	Program Learning Objectives (PLO)
CLO1 Recognize the strategic importance of various production and distribution activities in a wide range of industries.	PLO5.1 Students can demonstrate knowledge of main business functions and organizational management
CLO2 Demonstrate appropriate quantitative and qualitative analysis skills, in various management contexts.	PLO5.1 Students can demonstrate knowledge of main business functions and organizational management
CLO3 Formulate problems pertaining to the production and distribution of goods and services, using adequate concepts, models and tools.	PLO5.2 Students can prepare an effective plan to ensure that tasks are successfully accomplished
CLO4 Generate value-adding recommendations to improve the efficiency and quality of production and distribution activities.	PLO1.3 Students can demonstrate their ability to collaborate effectively with others. PLO5.2 Students can prepare an effective plan to ensure that tasks are successfully accomplished

## TEACHING AND EVALUATION PLANS

### 1. Teaching Plan

Week	Topic	Hours	CLO	Teaching Methods	Assessment
1	Operations and Productivity	4	CLO1	Interactive Lecture Practice Problems	Question in midterm exam
2	Operations Strategy in a Global Environment	4	CLO1	Interactive Lecture Practice Problems	Question in midterm exam
3	Project Management	4	CLO4	Interactive Lecture Practice Problems	Question in midterm exam
4	Forecasting	4	CLO2	Interactive Lecture Practice Problems	Question in midterm exam
5	Total Quality Management and Statistical Process Control	4	CLO2	Interactive Lecture Practice Problems	Question in midterm exam
6	Process Strategy and Capacity Management	4	CLO3	Interactive Lecture Practice Problems	Question in midterm exam
7	Review and midterm exam	4			
8	Location and Layout Strategies	4	CLO4	Interactive Lecture Practice Problems	Question in final exam
9	Supply Chain Management and Supply Chain Analytics	4	CLO3	Interactive Lecture Case Discussion	Question in final exam
10	Inventory Management	4	CLO2	Interactive Lecture Case Discussion	Question in final exam
11	Aggregate Planning and Short-term Scheduling	4	CLO4	Interactive Lecture Practice Problems	Question in final exam
12	Maintenance and Reliability	4	CLO4	Interactive Lecture Practice Problems	Question in final exam

## 1.1 Lesson Plan

Class	Topic/Details	Number of hours		Instructors
		In-Class sessions	Lab sessions	
1	Operations and Productivity	4		WannyO.
2	Operations Strategy in a Global Environment	4		WannyO.
3	Project Management	4		WannyO.
4	Forecasting	4		WannyO.
5	TQM and Statistical Process Control	4		WannyO.
6	Process Strategy and Capacity Management	4		WannyO.
7	Review and midterm examination	4		WannyO.
8	Location and Layout Strategies	4		WannyO.
9	SCM and Supply Chain Analytics	4		WannyO.
10	Inventory Management	4		WannyO.
11	Aggregate Planning and S-T Scheduling Presentation	4		WannyO.
12	Maintenance and Reliability Revision for Final Examination	4		WannyO.

## 2. Evaluation Plan

Methods/ Activities	Description	Week	Percentage
Midterm Exam	Definition and application written exam	6	25%
Final Exam	Definition and application written exam	13	25%
Presentation			10%
Group/Individual Project		9	20%
Weekly Assignments	Discussion and Spreadsheet	1-12	15%
Attendance & participation		1-12	5%

### 3. Course Assessment

A	B+	B	C+	C	D+	D	F
90-100	85-89	80-84	75-79	70-74	65-69	60-64	<60

### TEACHING MATERIAL AND RESOURCE

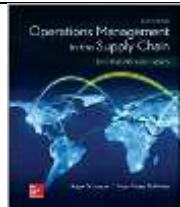
#### 1. Required Reference List

Heizer, J., Render, B., Munson, C. (2016). Operations Management: Sustainability and Supply Chain Management. Global Edition (12th). Pearson. ISBN-10: 1-292-14863-2



#### 2. Recommended Reference List

Schroeder, Roger and Goldstein, Susan Meyer. 2018. Operations Management in the Supply Chain: Decision and Cases, 7th edition. McGraw Hill Education. ISBN-978-0-07-78-3543-9.



### COURSE POLICY

#### Attendance & Participation

Attending class is one of your major responsibilities. Students with **more than 4 absences will not be eligible for grade** unless the solid evidence of the absence is presented. High etiquette during your presence is also expected. Students are expected to come to class on time. Checking attendance at the class starting time (**3 lates = 1 absence**)

#### Quiz and Exam Format

The quiz and exams will focus on problem solving skills acquired throughout the session from the class lecture and from exercises done by the students themselves from the relevant chapters of the textbook. The quiz and the examination format will feature multiple choice questions and short “free -format” problems. Students are expected to constantly review all the course materials as the quiz can be “pop up”. Students are not allowed to use any textbook or notes during the quiz. There will be NO makeup quizzes regardless of any reason.

#### Calculators

Scientific calculator is required in most of the classes. It is the students' responsibility to bring the calculator for every class. Students are not allowed to use smart phones during the quiz and examinations and if use, will be considered as violating the examination according to Mahidol University International College policy.

#### Academic Dishonesty

Academic dishonesty is prohibited at MUIC. It is a serious offense because it diminishes the

quality of scholarship and makes accurate evaluation of student progress impossible. Please refer and adhere to the rules and regulations regarding an academic dishonesty stated in the Student Handbook.

### **Uniform Policy**

A proper dress code is part of the written policy for student conduct, including exchange and visiting students. MUIC is a high profile institution and it is considered quite an honor to be wearing its uniform. Students are expected to strictly follow the university dress code norms. No cut-off jeans, shorts, mini or short skirts, tank tops or low cut blouses, flip-flops, rubber or plastic sandals, or house slippers are permitted. If the students neglected to wear the proper uniform, he/she will not be allowed to enter the classroom and will be marked as absent on that day.