



HANYANG UNIVERSITY

2019 HISS Syllabus (Project Management)

Professor: **Kwon G. Mun**
E-mail: kwongimun@gmail.com
Home Univ.: Fairleigh Dickinson University, NJ, USA
Dept.: Decision Science and Supply Chain Management

Description: This course addresses fundamental concepts of project management, with emphasis on project selection, planning and scheduling, risk management, resource allocation, and progress monitoring. Students will develop the skills on how to effectively plan, execute, and manage projects and project portfolios that meet their organization's business goals.

Objective:

- Understand the role of successful project.
- Learn the terminology & concepts of managing projects.
- Develop, manage, and control project scheduling and resource allocation.
- Understand the importance of risk management. / Learn project quality management

Preparations: (Textbook/Software) Not Required. (Supplement) Course Pack TBA

Schedule:

Week 1	Fundamentals of project management / Portfolio management
Week 2	Estimating costs and schedules / Reducing project duration / Midterm Exam
Week 3	Project risk management / Inventory management in PM
Week 4	Project quality management / Web-based games / Final Exam

Evaluation:	Midterm (%)	Final (%)	Attendance (%)	Assignments (%)	Participation (%)	Etc. (%)
	30	35	10	20	5	00

Course Title: Project Management
Course Code: TBA
Meeting times: TBA
Office: TBA
Office Hours: TBA

Semester: Summer 2019
Instructor: Dr. K.G. Mun
Meeting location: TBA
Email: kwongimun@gmail.com
Voicemail: TBA

The class Project Management is designed for the special summer session so that it focuses on teaching methods and tools for planning and managing projects. It assumes that the firm or organization have already chosen what product, service, or system to develop. The class thus can focus on the preparation, planning, monitoring and adaptation of projects. We also study sourcing and procurement of supplies utilized in projects. It is associated with the risk management. The class is organized into following modules:

The module zero discuss basic concepts and principles of project management. With real world cases, we will preview project management and its application.

The first module discusses project planning and simulation techniques such as the critical path method (CPM), project evaluation and review technique (PERT). The other topic Crashing a project will also be covered.

The third module is focused on the risk management such how a firm source the right quantity of supply at the right time. We will also discuss about project quality management.

Prerequisite: None.

Outcomes: Upon completion of the course, students should be able to:

- Identify and define the various decisions of Project Management
- Apply project management techniques such as CPM and PERT
- Understand project quality management

Instructional Resources: Lecture Materials, Game Package (**Cognella Academic Publishing**) All of class materials (Video Cases, Lecture Slides, HWs, Exams, Instructions/Slides for Games, and etc.) have been uploaded at Class website([HY-in-portal](#)).

References:

- Kerzner, Harold. Project Management: A Systems Approach to Planning, Scheduling, and Controlling (10th). John Wiley & Sons. ISBN 978-0-470-27870-3.
- Jay Heizer & Barry Render, Operations Management, 12th Edition, Pearson/Prentice Hall, 2015, ISBN-13:978-0-13-413042-2, ISBN-10:0-13-413042-1

Required Text: None.

Examination:

There will be two exams: one two-hours In-Class Midterm exam and one two-hours In-Class final examination. The final exam is comprehensive. All of In-Class exams will be closed book, and closed note. Calculators will be allowed to be used during the exam. Calculators may not be shared during the exam. You may bring two pages (two sided) formula sheet (cheat sheet) written by your own hands for all of two exams. If you have a conflict for the exam, notify me **at least one week ahead**.

No Makeup Exam is allowed.

Homework:

Homework will be assigned to help you understand the material and practice. There will be written problems and computer assignments that require the use of EXCEL. Most homework will be assigned on Thursday and due on the following Wednesday.

If you submit one week later after the due date, then you get 60% (40% of penalty).

More than one week (0%)

Grade Weights:

Student's course grade will be based on the final course average, in computing which the graded work will be weighted as follows:

HWs	20% (each 10%)
In-Class Games	5%
Class Attendance	10%
Midterm	30%
Final exam	35%

Class Attendance and Absences

Regular attendance is expected and considered mandatory. Each student is allowed two absences from class for the entire semester without direct penalty to his or her grade (this does not include penalties that may result from missing in-class quizzes or games).

10%	≤ 2 absences
9%	for 3 absences
8%	for 4 absences
7%	for 5 absences
5%	for 6 absences
0%	≥ 7 absences

Game Package (Cognella Course Package):

It will be used for doing team-based games of inventory management (procurement with demand uncertainty & limited supply). You or your team may use your own computer for doing these games.

It costs around \$20 (10\$ per student) to access to the website. Schedule and instructions will be announced or distributed. **You need to register Cognella Course package to participate in inventory management (Hunger) games.**

Important Dates:

- HW 1: TBA
- Midterm: TBA
- Team Organization (Games): TBA
- Game 1: TBA
- HW 2: TBA
- Game 2: TBA
- Final: TBA

Course Schedule:

Date	1st half	2nd half
Class 1.	Welcome <u>Introduction to PM</u> Overview Cases: Alton Super Bridge over the Mississippi River	<u>Introduction to PM</u> Overview & Data Driven Project Mgmt. Cases: Clean Ganga Mission
Class 2.	<u>Introduction to PM</u> Overview, Concepts, and Definitions	<u>Deterministic PM technique</u> CPM HW 1
Class 3.	<u>Deterministic PM technique</u> CPM	<u>Deterministic PM technique</u> <u>CPM</u>
Class 4.	<u>Review</u> Statistics & Probability	<u>Probabilistic PM technique</u> PERT
Class 5.	<u>Probabilistic PM technique</u> PERT	<u>Probabilistic PM technique</u> Crashing
Class 6.	<u>Probabilistic PM technique</u> Crashing <u>Review Session</u> Midterm	<u>Review Session</u> Midterm HW 1 Due
Class 7.	Midterm Examination (In Class, Two Hours) Team Organization for Playing Game	Midterm Examination (In Class, Two Hours)
Class 8.	<u>Project Risk Management</u> Case: B787	<u>Project Organization</u> HW 2
Class 9.	<u>Inventory Management</u> Can lead or lag project	<u>Inventory Management</u> Can lead or lag project
Class 10.	<u>Inventory Management</u> Can lead or lag project	<u>Project Quality Control</u>



Week 11.	<u>Project Quality Control</u> Game I: Inventory Mgmt. Games (Team Based)	<u>Project Quality Control</u>
Class 12.	<u>Review Session I</u> Final	<u>Review Session I</u> Final
Class 13.	<u>Review Session II</u> Final	Game II: Hunger Games (Team Based) HW 2 Due
Class 14	Final Examination (In Class, Two Hours) Class Summary Due	Final Examination (In Class, Two Hours)
Class 15	<u>Review Session III</u> Discussion: Final Exam & Grade	<u>Review Session III</u> Discussion: Final Exam & Grade