

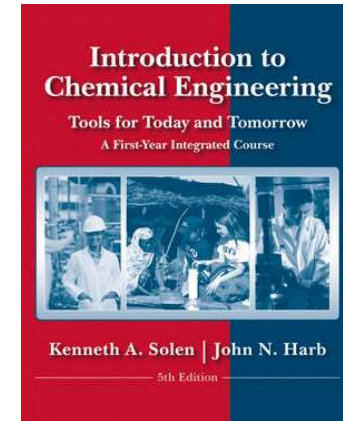
# **Introduction to Chemical Engineering**

## **Lecture Information**

## Lecture information

### Course information

1. Course title: Introduction to Chemical Engineering (course number: 51418)
2. Time and location  
Class I: Monday 4 (310-312) / Wednesday 3,4 (310-312)
3. Course classification: basic major course
4. Text book: “Introduction to Chemical Engineering” (5<sup>th</sup> edition, K. A. Solen)
5. Lecture materials: (1) PDF files downloading from website (<http://nemlcau.wix.com/neml>)  
(2) Videos watching in website (<https://eclass3.cau.ac.kr/courses/74482>), every Wednesday



### Instructor information

1. Name: Sang Hyun Ahn
2. Contact information: 310-328 (location), 02-820-5287 (phone), [shahn@cau.ac.kr](mailto:shahn@cau.ac.kr) (e-mail)
3. Available office hour for student meeting: right after class, or anytime by appointment
4. Teaching assistant: Seokjun Hong (207-531, [puma105@cau.ac.kr](mailto:puma105@cau.ac.kr))

## Lecture information

### Course description

This course gives students an overview of chemical engineering by allowing them to learn about and apply multiple aspects of the field at an introductory level.

### Assessment

1. Attendance (10 %)

Students must attend the class over 75 % of class dates (if not, he/she will get “F” grade).

If students have a right reason for absence, he/she must submit absence-paper within seven days.

2. Mid-term exam (40 %)

3. Final exam (40 %)

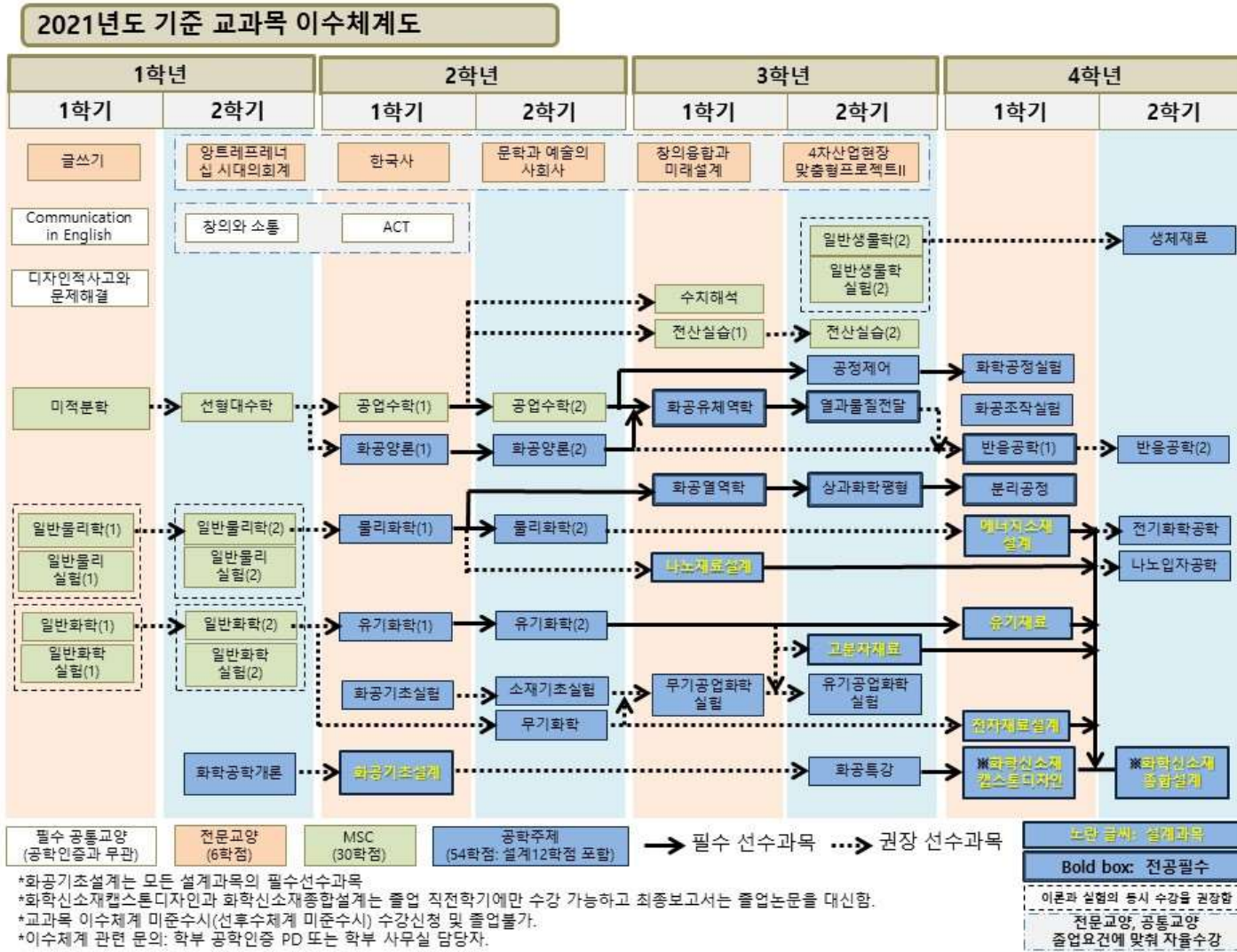
4. Assignment (10 %)

### Grading

$A^+ \sim A^0 < 35\%$ ,  $B^+ \sim B^0 < 70\%$ ,  $D^+ \sim F > 5\%$

# Introduction to Chemical Engineering

## Lecture information



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### Lecture schedule

Week	Contents	Week	Contents
1	What is Chemical Engineering?	9	Mass Transfer
2	The Role of Chemical Processing	10	Reaction Engineering
3	Solving Engineering Problems	11	Heat Transfer
4	Describing Physical Quantities	12	Materials
5	Material Balances	13	Controlling the Process
6	Spreadsheets	14	Economics
7	Fluid Flow	15	Case Studies
8	Mid-Term Exam	16	Final Exam