

IE 102

A PROCESS OUTLOOK FOR INDUSTRIAL ENGINEERING

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Course Web Page: <https://courses.ie.bilkent.edu.tr/ie102> Note that students are responsible for checking the course website, as well as their e-mail accounts for course material, updates and announcements.

PLEASE, FOLLOW THE WEB!!

Catalogue Description: Familiarize the IE freshmen with the profession by introducing basic notion of process. Design of processes and process improvements. Notions of performance evaluation. Processes, performance and their relations to decision making. Mathematical representation of the decision making. Demonstration using simple examples from daily life as well as more complicated examples from industry. *Credit units: 3 ECTS Credit units: 6.*

Course Objectives:

- Introduce notion of “process” with examples. Clarify the relation between processes as observed with decisions made.
- Introduce notion of performance evaluation with measures, objectives, criteria
- Introduce notion of process improvement with examples.
- Apply knowledge of high-school mathematics on some problems.
- Build appreciation for mathematical representation of problems via examples: verbal maps; mathematical formulation; graphical representation.
- Maintain interest for the topics/courses to be followed in the curriculum.
- Maintain mutual respect and effective interaction between students and instructor/assistants.

Conduct of the Course:

September 23-26	Week1	Lecture 1	Lecture
		Lecture 2	Lecture
		Lecture 3	Lecture
		Lecture 4	Lecture
September 26-October 3	Week2	Lecture 1	Lecture
		Lecture 2	Lecture
		Lecture 3	Lecture
		Lecture 4	Lecture
October 7-10	Week 3	Lecture 1	Lecture
		Lecture 2	Lecture
		Lecture 3	Lecture
		Lecture 4	Lecture
October14-17	Week 4	Lecture 1	Recitation (Solving HW1 & HW2)
		Lecture 2	Recitation (Solving HW1 & HW2)
		Lecture 3	No Class
		Lecture 4	No Class
October 21-24	Week 5	Lecture 1	Recitation (Solving QUIZ-1)
		Lecture 2	No Class (*)
		Lecture 3	No Class
		Lecture 4	No Class
October 28-31	Week 6	Lecture 1	Republic Day
		Lecture 2	Republic Day
		Lecture 3	Lecture
		Lecture 4	Lecture
November 4-7	Week 7	Lecture 1	Lecture
		Lecture 2	Lecture
		Lecture 3	Lecture-Solving HW3
		Lecture 4	Lecture

November 11-14	Week 8	Lecture 1	Recitation (Solving HW4)
		Lecture 2	No Class (*)
		Lecture 3	No Class (Midterm week)
		Lecture 4	No Class
November 18-21	Week 9	Lecture 1	No Class
		Lecture 2	No Class
		Lecture 3	Lecture
		Lecture 4	Lecture
November 25-28	Week 10	Lecture 1	Recitation (Solving HW5)
		Lecture 2	No Class (*)
		Lecture 3	Lecture
		Lecture 4	Lecture
December 2-5	Week 11	Lecture 1	Recitation (Solving HW6)
		Lecture 2	Recitation (Solving QUIZ 2)
		Lecture 3	Lecture
		Lecture 4	Lecture
December 9-12	Week 12	Lecture 1	Recitation (Solving HW7)
		Lecture 2	No Class (*)
		Lecture 3	Lecture
		Lecture 4	Lecture
December 16-19	Week 13	Lecture 1	Recitation (Solving HW8)
		Lecture 2	Recitation (Solving QUIZ 3)
		Lecture 3	Lecture
		Lecture 4	Lecture
December 23-26	Week 14	Lecture 1	Recitation (Solving HW9)
		Lecture 2	No Class (*)
		Lecture 3	Lecture
		Lecture 4	Lecture
December 30-31	Week 15	Lecture 1	Recitation (Solving QUIZ 4)
		Lecture 2	No Class (*)

(*) : For sec.1, Monday 11:40-12:30; for sec.2, Tuesday 8:40-9:30; for sec.3, Monday 16:40-17:30, there will be no class.

Grading:

Quiz - unannounced/announced: 20%

Homework: 9%

Exam I: 30%

Final Exam: 35%

Participation + Kahoot: 6%

You have to hand in all the homework. Otherwise FZ.

Homework will be conducted in groups of 2.

We will randomly form the HW groups.

Homework grading: 0/1/2 pts for each question.

Kahoot :)

Academic Dishonesty

Make-up Policy

Policy for Writing Assignments

Policy for Homework Assignments

Privacy Policy

**Policy on Disclosing Solutions to Exams and
Assignments**

Policy on Claims for Grade Change