Modelling and Discrete Simulation

Introductory Information

Mujdat Soyturk, Ph.D.
Associate Professor

- Syllabus

- Book information

(1) Banks, Carson, Nelson, Nicol, *Discrete-Event System Simulation*, 5th Edition, Pearson 2010

Recommended:

(2) Lawrence M. Leemis and Stephen K. Park, *Discrete-Event Simulation: A First Course*, Prentice Hall, 2006

(3) Michael Pidd, *Computer Simulation in Management Science*, 5th Edition, Wiley, 2004

- Course website ([instructor's website](#))
- http://mimoza.marmara.edu.tr/~mujdat.soyturk/courses/ie3081_2021_Fall.html
  - Announcements, and
  - password to access instructors resources (e.g. slides)
    - (will be shared in class)

- Teaching Assistant
  - Muhammed Nur Avcil
  - Office: M2-201
  - Tel: 216-777-3546

- **Assessment**
  - Quizzes
  - 1 midterm exam
  - 1 Project + Homeworks
  - Final exam

  - Homeworks are scheduled on Mondays.
  - Please check the course webpage for updates.

Homework Submissions

- Homeworks, projects and project reports will be submitted via *turnitin* account.

   http://www.turnitin.com/

- Each student will have an account for *turnitin*
- Each homework will be evaluated considering both technical content and ethical issues e.g. plagiarism

Simulation Tool for the projects

– AnyLogic *(use the latest version)*

– http://www.anylogic.com/downloads

1. Please download the latest version from the website below depending on the platform you will use. http://http://www.anylogic.com/downloads

2. Please follow the instructions for the activation. http://http://www.anylogic.com/downloads

- Supplementary Materials
  - book webpage www.bcnn.net
  - excel examples
  - codes

- Attendance
  - is a requirement.
  - sign the attendance list
  - For excused absences, the student must provide an explanation to the instructor and supply supporting evidence.

- Not a "distance learning" course.

- Cell phones should be switched-off.
  - In all lectures and exams.

- Bring your calculators in the exams.
  - Cell-phones are not allowed.
  - Exchange of calculators is not allowed.

- Office hours
  - Monday   16:00 – 17:00
  - Thursday 11:30 – 12:30

- E-mail addresses
  - Only submit to
    - mujdat.soyturk@marmara.edu.tr
  - Use email account of Marmara University.
  - All communication will be through email.