**Chemical Process Simulation Laboratory, CHE352A, 2020-21 2st Semester**

**(1-0-2-0 (05) credits)**

**Instructor:** Prof. Raghvendra Singh, FB458, e-mail: [raghvend@iitk.ac.in](mailto:raghvend@iitk.ac.in)

**Course email ID**: [che352a@gmail.com](mailto:che352a@gmail.com)

* **Each student must make a gmail ID for the course. The ID must be:**

[rollnumberdotname@gmail.com](mailto:rollnumberdotname@gmail.com)

where rollnumber is student’s IITK roll number, followed by dot symbol, followed by his fullname.

* **Each student must download MATLAB and COMSOL from the computer centre site**

**Lecture: W (2-3pm); Lab: F (3-5pm)**

**Mode:** Asynchronous

**Timings:**

*Lectures:* To be released weekly

*Lab*: To be conducted online via zoom on the day and time assigned for the lab

*Online Discussions:* Scheduled on Thursdays from 14:00 to 15:00 hours

*Quizzes:* Three. To be conducted online on specific dates

*Viva-voce: Course material covered in the lecture and lab will be asked and students will be asked to make MATLAB/COMSOL programs*

**Weightages:**

**Attendance: 10%**

**Quizzes : 3x20%**

**Viva-voce : 30%**

**The above distribution is tentative. If viva-voce or a quiz could not be conducted, the above weightages will change and will be adjusted among the quizzes, which were held.**

**Notes/policies**

* No make-up quiz or viva-voce will be conducted for missed quizzes or viva-voce and the student will be awarded 0 marks for missed quiz/viva-voce.
* A student found cheating will be deregistered (or awarded an F grade) from the course and reported to SSAC.
* A conduct of indiscipline or misconduct will lead to deregistration from the course.

**Text Book**

1. Introduction to chemical engineering computing by Bruce A. Finlayson, Wiley-India
2. Chemical process modelling and computer simulation by Amiya K. Jana, PHI