TIME TABLE: 40620/40621 MWF 9:00AM – 9:50AM in Lincoln Hall 304.

PREREQUISITES: Grade of C or better in MCS 401; or consent of the instructor.

INSTRUCTOR: Jan Verschelde, Office: 1210 SEO.
Email: janv@uic.edu. URL: http://www.math.uic.edu/~jan.

OFFICE HOURS: At noon on Monday, Wednesdays, Fridays, in office or by appointment; via zoom https://uic.zoom.us/my/profjanofficehour.

MCS 481 SITE: See www.math.uic.edu/~jan/mcs481.html for notes, project descriptions, etc.
Backup site: https://janv.people.uic.edu/mcs481.


HOMEWORK: with every lecture three exercises are suggested. It is recommended that you try to solve these suggested exercises. Solutions to selected problems will be collected. Homework counts for 100 of the total 700 points.

CGAL is free and open source software, available at www.cgal.org. We will also use Python and the Jupyter notebook.

PROJECTS: Three projects will be assigned during the semester, worth a total of 200 points. Students may opt out of the exams and work on a computer project of their own research interest.

ACADEMIC HONESTY: No student shall claim or submit the work of another as one’s own. Allowing someone to copy from you is also punishable. When working in teams, you must contribute your fair share.

EXAMS: During the semester, there will be two exams worth 100 points each. There will be no makeup exams given. The final exam counts for 200 points. If an exam is missed, then greater weight will be placed on the final exam, especially on the material covered on the missing exam. Students may replace the final exam with a research computer project combined with a written technical report.

GRADING SCALE: 90 – 100% = A, 80 – 89% = B, 70 – 79% = C, 60 – 69% = D, 0 – 59% = E.
Your course grade is based on a total of 700 points: 100 from the homework, 200 from the projects, 200 from the exams during the semester, and 200 from the final exam.

STUDENTS WITH DISABILITIES: UIC is committed to full inclusion and participation of people with disabilities in all aspects of university life. Students who face or anticipate disability-related barriers while at UIC should connect with the Disability Resource Center (DRC) at drc.uic.edu, drc@uic.edu, or at (312) 413-2183 to create a plan for reasonable accommodations. In order to receive accommodations, students must disclose disability to the DRC, complete an interactive registration process with the DRC, and provide their course instructor with a Letter of Accommodation (LOA). Course instructors in receipt of an LOA will work with the student and the DRC to implement approved accommodations.

CLASS ATTENDANCE: Students are expected to attend all class meetings. Any changes in this syllabus or in the scheduling of exams and other assignments will be announced during class meetings. We will also address the topics you need to implement the projects.

SOME IMPORTANT DATES:
Friday 1 September: last day to register, last day to withdraw without W grade.
Monday 4 September: Labor Day Holiday. No classes.
Friday 27 October: last day for optional late drop.
Thursday 23 Friday 24 November: Thanksgiving holiday. No classes.
Monday 4 - Friday 8 December, final exam, date, time, and room to be announced.