

# MAI520 Computational geometry 2003

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Matematiska institutionen CTH& GU

**Litterature** J.O'Rourke: Computational Geometry in C, 2nd ed,  
Cambridge University Press.  
Additional material will be handed out during the course

**Contents** Chapter 1 – 6 in O'Rourke's book and parts of the handed out material:  
Polygon Triangulations, Polygon Partitioning, Convex Hulls,  
Voronoi Diagrams – Delaunay Triangulations, Arrangements  
(Duality, Davenport-Schinzel Sequences), Algorithms

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**Schedule** Monday 13.15-15 in room KS1 (Chemistry building)  
Friday 8.00-9.45 in room KS1 (Chemistry building)

**Examination** The course is finished by a written or oral exam. The form of the examination will be decided after a discussion with the students.  
There will be three homework assignments, that will give partial credit in the exam, but no computer project.