School of Mathematics

Course 3D4 — Computer-aided design 1999-2000
(Optional JS & SS Mathematics, JS Engineers)

Lecturer: Prof. F. Neelamkavil & Dr. S. Collins

Requirements/prerequisites: 2E3 or 262

Duration: 11 weeks (second semester)

Number of lectures per week: 4 hours per week (3 lectures and 1 tutorial)

Assessment:

End-of-year Examination: One 3-hour examination and coursework

Description:

- Raster/Vector graphics
- I/O technologies
- Viewing transformations
- Curves and surfaces
- Rendering/Ray tracing
- Open GL
- CAD applications

June 18, 1999