

Teaching & Lectures

Modules, Fall 2014: [MA4H7](#) Continuum Mechanics. Summary at 2006 site: [MA3G2 06](#)

Modules, Spring 2014: [MA3D1](#) Fluid Mechanics. Summary at 2006 site: [MA3D1 0708](#)

Modules, Fall 2013: Atmospheric Dynamics under 2013-14 Reading Modules [MA472](#)
Summary at: [MA4H7](#)

Modules, Spring 2013: [MA3D1](#) Fluid Mechanics. Summary at 2006 site: [MA3D1 0708](#)

Modules, Fall 2012: Leave

Modules, Spring 2012: [ES440](#), [ES911](#) Computational Fluid Dynamics, Weeks 1-4, 8-10;
[CY905](#) Weeks 1-5: Computational PDEs

Modules, Fall 2011: [MA4H7](#) Atmospheric Dynamics [MA4H7](#) Summary

Modules, Spring 2011: [ES440](#), [ES911](#) Computational Fluid Dynamics, Weeks 1-4, 8-10;
[CY905](#) Weeks 1-5: Computational PDEs

Modules, Fall 2010: [MA4H7](#) Atmospheric Dynamics [MA4H7](#) Summary

Modules, Spring 2010: [ES440](#), [ES911](#), [CY905](#) Computational Fluid Dynamics; Weeks 1-5:
Computational PDEs [CY905](#)

[Modules, Fall 2009: MA4H7](#) Atmospheric Dynamics [MA4H7](#) Summary

Modules, Summer 2008: [ES904](#) Computational Mathematics

Modules, Spring 2008: [ES440](#), [ES911](#), [CY905](#), Weeks 1-5 Computational Fluid Dynamics,
Computational PDEs

[ES441](#), [ES912](#), Weeks 6-10 Advanced Fluid Dynamics, Aeronautics

Modules, Fall 2007: [MA3D1](#) Fluid Dynamics

Modules, Spring 2007: [ES904](#) Computational Mathematics

[ES440](#), [ES911](#), [CY905](#), Weeks 1-5 Computational Fluid Dynamics, Computational PDEs

[ES441](#), [ES912](#), [ES912](#) Weeks 6-10 Advanced Fluid Dynamics, Turbulent Flows

Modules, Fall 2006: [MA3G2](#) Continuum Mechanics

Modules, Summer 2006: [CY901](#) High Performance Computing

Modules, Spring 2006: [ES904](#) Computational Mathematics

Modules, Fall 2005: [MA3G2](#) Continuum Mechanics

Modules, Spring 2005: [ES30A](#), [Weeks 1-5 old notes to insert](#)

[ES30A](#), [Weeks 1-5 new notes to insert](#)

[ES30A](#), [Weeks 1-5 reading notes](#)

[ES30A](#), [Weeks 1-5 full notes](#) Fundamental Fluid Dynamics

[ES30A](#), [Improved solutions to Week 2, problems 1 and 2.](#)

[MA5P9](#), [Weeks 6-10](#) Scientific Computing

Modules, Fall 2004: [ES441, Fall 2004, Weeks 1-10](#) Advanced Fluid Dynamics
[ES912, Fall 2004, Weeks 6-10](#) Turbulent Flows
[ES904, Fall 2004, Weeks 6-7](#) Computational Mathematics

Modules, Spring 2004: [MA113, Spring 2004, Weeks 15-19](#) Differential Equations A
[MA128, Spring 2004 Weeks 20-24](#) Differential Equations B
[MA5P9, Spring 2004 Weeks 20-24](#) Scientific Computing

This following provide access to materials and .pdf files for special lecture courses.

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[**Introduction to spectral methods**](#)

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[**Euler**](#)

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[**Nonlinear LES modelling**](#)

[**3D DATA for analysis**](#)