

CHEMICAL ENGINEERING TRIPOS

Lectures will be held in *the Department of Chemical Engineering, Pembroke Street*
(*A detailed timetable will be displayed in the Department*)

The Teaching Co-ordinator is Dr D. M. Scott E-mail: Tripos@cheng.cam.ac.uk

MICHAELMAS 2001

LENT 2002

EASTER 2002

PART I

Fluid Mechanics

DR D. M. SCOTT
(Twenty-four lectures¹/sixteen lectures²)

Process Calculations

DR P. J. BARRIE
(Sixteen lectures)

Introductory Chemistry²

PROF. L. F. GLADDEN, DR P. J. BARRIE AND DR M. L. JOHNS
(Twenty-two lectures)

Equilibrium Staged Processes

DR W. R. PATERSON
(Sixteen lectures)

Mathematical Techniques

DR S. S. S. CARDOSO AND DR M. KRAFT
(Eight lectures)

Mechanics and Beams¹

DR R. M. NEDDERMAN
(Ten lectures)

Introductory Dynamics¹

DR C. F. KAMINSKI
(Eight lectures)

Further Dynamics

DR M. L. JOHNS
(Eight lectures)

Stress Analysis and Pressure Vessels

PROF. M. R. MACKLEY
(Eight lectures)

Economics

DR D. I. WILSON
(Four lectures)

Practical Work

M. 9–11 or W. 9–11

Transport Processes

DR D. I. WILSON
(Sixteen lectures)

Continuous Contacting Processes

PROF. A. N. HAYHURST
(Eight lectures)

Equilibrium Thermodynamics

PROF. N. K. H. SLATER
(Twelve lectures)

Computer Aided Process Engineering (continued)

DR M. JOHNS AND DR V. S. VASSILIADIS
(Sixteen lectures)

Kinetic Theory²

PROF. A. N. HAYHURST
(Four lectures)

Mechanical Properties of Materials¹

DR C. F. KAMINSKI
(Six lectures)

Safety, Health and Environment

DR D. I. WILSON
(Four lectures)

Practical Work

M. 9–11 or W. 9–11

Transport Processes (continued)

DR D. I. WILSON
(Four lectures)

Reactors

DR H. A. CHASE
(Eight lectures)

Power and refrigeration cycles

MR R. L. SKELTON
(Four lectures)

Introductory Chemistry² (continued)

DR C. F. KAMINSKI
(Six lectures)

Practical Work

M. 9–11 or 9–11

¹ Lectures *only* for students who have previously taken NST or CST Part IA.

² Lectures *only* for students who have previously taken Engineering Part IA.

All other lectures offered are for *all* students.

Students should register for Practical Work on Tuesday 2 October, between 2 and 4 p.m. at the *Department of Chemical Engineering*.

CHEMICAL ENGINEERING TRIPOS, PART IIALectures will be held in *the Department of Chemical Engineering, Pembroke Street**(A detailed timetable will be displayed in the Department)*

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Fluid Mechanics of Multi-Dimensional and Turbulent FlowDR S. S. S. CARDOSO
(Sixteen lectures)**Radiation**DR D. I. WILSON
(Eight lectures)**Multi-Component Staged Processes**DR H. A. CHASE
(Eight lectures)**Process Dynamics and Control**DR R. M. NEDDERMAN
(Sixteen lectures)**Two-Phase Flow**DR A. P. J. MIDDELBERG
(Twelve lectures)**Reactors 2.1: Mixing, RTDs and Thermal Effects**PROF. L. F. GLADDEN
(Eight lectures)**Advanced Continuous Contacting Processes**DR H. A. CHASE
(Twelve lectures)**Statistics**DR M. KRAFT
(Eight lectures)**Reactors 2.2: Heterogeneous and Bio Reactors**PROF. L. F. GLADDEN
(Sixteen lectures)**Mathematical Methods**DR C. F. KAMINSKI
(Eight lectures)**Optimization**DR W. R. PATERSON
(Four lectures)**Thermodynamics: Equilibria**PROF. N.K. H. SLATER
(Twelve lectures)**Process Systems – SHE**MR R. L. SKELTON
(Sixteen lectures)**Biotechnology**DR A. P. J. MIDDELBERG
(Eight lectures)**Materials**DR P. J. BARRIE
(Twelve lectures)**Process Synthesis and Energy Integration**DR V. S. VASSILIADIS
(Sixteen lectures)**Design**MR R. L. SKELTON
(Four lectures)**Design (continued)**MR R. L. SKELTON
(Four lectures)**Design Project**

Leader: MR R. L. SKELTON

CHEMICAL ENGINEERING TRIPOS, PART IIb

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LENT 2002

EASTER 2002

Statistics

DR M. KRAFT
 (Sixteen lectures)

States of Matter

PROF. J. BRIDGWATER
 (Sixteen lectures)

Bioprocess Engineering

DR A. P. J. MIDDELBERG AND PROF. N. K. H. SLATER
 (Sixteen lectures)

Rheology

PROF. M. R. MACKLEY
 (Eight lectures)

Bioproduct Design

DR S. W. DREW AND DR A. P. J. MIDDELBERG
 (Sixteen lectures)

Process Innovation

PROF. M. R. MACKLEY
 (Eight lectures)

The Engineer and The Environment

MR R. L. SKELTON
 (Ten lectures)

Fluid Mechanics

DR D. M. SCOTT
 (Sixteen lectures)

Surface Science and Catalysis

DR P. J. BARRIE AND PROF. L. F. GLADDEN
 (Sixteen lectures)

Polymers

PROF. M. R. MACKLEY
 (Sixteen lectures)

Combustion

PROF. A. N. HAYHURST
 (Sixteen lectures)

Stochastic Modelling

DR M. KRAFT
 (Sixteen lectures)

Granular Materials

DR R. M. NEDDERMAN
 (Sixteen lectures)

Reactor Modelling

DR W. R. PATERSON
 (Sixteen lectures)