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

PART I

MICHAELMAS 2000

DR D. M. SCOTT
(Twenty-four lectures[1]/sixteen lectures[2])

Safety, Health and Environment
MR R. L. SKELTON
(Four lectures)

Process Calculations
DR P. J. BARRIE
(Sixteen lectures)

Introductory Chemistry[2]
PROF. N. K. H. SLATER AND DR P. J. BARRIE
(Eighteen lectures)

Equilibrium Staged Processes
DR W. R. PATERSON
(Eight lectures)

Computer Aided Process Engineering
DR V. S. VASSILIADIS
(Eight lectures)

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

Mechanics and Beams[1]
DR S. L. ROUGH
(Ten lectures)

Practical Work
M. 9–11 *or* W. 9–11

LENT 2001

Transport Processes
DR D. I. WILSON
(Sixteen lectures)

Continuous Contacting Processes
DR R. B. THORPE
(Eight lectures)

Equilibrium Thermodynamics
DR G. D. MOGGRIDGE
(Twelve lectures)

Introductory Chemistry[2] (continued)
A. N. OTHER
(Ten lectures)

Equilibrium Staged Processes (continued)
DR W. R. PATERSON
(Eight lectures)

Computer Aided Process Engineering (continued)
DR M. JOHNS
(Eight lectures)

Kinetic Theory[2]
DR S. S. S. CARDOSO
(Four lectures)

Stress Analysis and Pressure Vessels
PROF. M. R. MACKLEY
(Eight lectures)

Mechanical Properties of Materials[1]
DR S. S. S. CARDOSO
(Six lectures)

Introductory Dynamics[1]
DR R. B. THORPE
(Eight lectures)

Further Dynamics
DR R. B. THORPE
(Eight lectures)

Economics
DR D. I. WILSON
(Four lectures)

Practical Work
M. 9–11 *or* W. 9–11

EASTER 2001

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)

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 3 October, between 2 and 4 p.m. at the *Department of Chemical Engineering*.

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CHEMICAL ENGINEERING TRIPOS, PART IIA

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 2000	LENT 2001	EASTER 2001
Fluid Mechanics of Multi-Dimensional and Turbulent Flow DR S. S. S. CARDOSO (Sixteen lectures)	**Reactors 2.2: Heterogeneous and Bio Reactors** PROF. L. F. GLADDEN (Sixteen lectures)	
Radiation DR D. I. WILSON (Twelve lectures)	**Mathematical Methods** DR S. S. S. CARDOSO (Eight lectures)	
Multi-Component Staged Processes DR H. A. CHASE (Eight lectures)	**Optimization** DR W. R. PATERSON (Four lectures)	
Process Synthesis DR V. S. VASSILIADIS (Sixteen lectures)	**Thermodynamics: Equilibria** DR G. D. MOGGRIDGE (Twelve lectures)	
Process Dynamics and Control DR R. M. NEDDERMAN (Sixteen lectures)	**Process Systems – SHE** MR R. L. SKELTON (Sixteen lectures)	
Two-Phase Flow DR A. P. J. MIDDELBERG (Twelve lectures)	**Energy Integration** DR W. R. PATERSON (Six lectures)	
Reactors 2.1: Mixing, RTDs and Thermal Effects DR G. D. MOGGRIDGE (Eight lectures)	**Biotechnology** DR A. P. J. MIDDELBERG (Eight lectures)	
	Materials DR P. J. BARRIE (Ten lectures)	
	Advanced Continuous Contacting Processes DR H. A CHASE (Twelve lectures)	
	Design MR R. L. SKELTON (Eight lectures)	**Design Project** Leader: MR R. L. SKELTON

CHEMICAL ENGINEERING TRIPOS, PART IIB

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 2000	LENT 2001	EASTER 2001
Statistics DR M. KRAFT (Sixteen lectures)	**The Engineer and The Environment** MR R. L. SKELTON (Twelve lectures)	
States of Matter PROF. J. BRIDGWATER (Sixteen lectures)	**Product Design** DR G. D. MOGGRIDGE AND DR A. P. J. MIDDELBERG (Sixteen lectures)	
Fluidisation DR R. M. NEDDERMAN (Sixteen lectures)	**Fluid Mechanics** DR D. M. SCOTT (Sixteen lectures)	
Bioprocess Engineering DR A. P. J. MIDDELBERG AND PROF. N. K. H. SLATER (Sixteen lectures)	**Surface Science and Catalysis** DR P. J. BARRIE AND PROF. L. F. GLADDEN (Sixteen lectures)	
Combustion PROF. A. N. HAYHURST (Sixteen lectures)	**Polymers** PROF. M. R. MACKLEY (Sixteen lectures)	
Particle Technology DR R. B. THORPE (Sixteen lectures)	**Rheology** DR R. M. NEDDERMAN (Sixteen lectures)	
Reactor Modelling DR W. R. PATERSON (Eight lectures)		
Stochastic Modelling DR M. KRAFT (Eight lectures)		
	Product Design Classes To be arranged	