Lectures proposed by the Chemical Engineering Syndicate

CHEMICAL ENGINEERING TRIPOS, PART I

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

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

MICHAELMAS 1999	LENT 2000	EASTER 2000
Fluid Mechanics DR D. M. SCOTT (Twenty four lectures)	**Transport Processes** DR A. N. HAYHURST (Twenty lectures)	
Economics and SHE MR R. L. SKELTON AND PROF. J. BRIDGWATER (Eight lectures)	**Continuous Contacting Processes** DR R. B. THORPE (Four lectures)	**Continuous Contacting Processes** (continued) DR R.B. THORPE (Four lectures)
Mechanics and Beams[1] MR R. L. SKELTON (Ten lectures)	**Introductory Dynamics**[1] DR P. STONESTREET (Eight lectures)	**Reactors** DR H. A. CHASE (Eight lectures)
Physical Chemistry[2] DR L. F. GLADDEN (Ten lectures)	**Organic and Analytical Chemistry**[2] DR P. J. BARRIE (Eight lectures)	**Further Dynamics** DR P. STONESTREET (Eight lectures)
Mechanical Properties of Materials[1] DR P. J. BARRIE (Six lectures)		**Kinetic Theory** DR A. N. HAYHURST (Four lectures)
Equilibrium Staged Processes DR W. R. PATERSON (Eight lectures)	**Equilibrium Staged Processes** (continued) DR W. R. PATERSON (Eight lectures)	
Bonding and Inorganic Chemistry[2] DR G. M. DAVIES (Six lectures)	**Stress Analysis and Pressure Vessels** DR M. R. MACKLEY (Eight lectures)	
Process Calculations DR P. J. BARRIE (Sixteen lectures)	**Equilibrium Thermodynamics** DR G. M. DAVIES (Twelve lectures)	
Mathematical Techniques DR S. S. S. CARDOSO (Eight lectures)	**Computer Aided Process Engineering** DR V. S. VASSILIADIS (Sixteen lectures)	
Practical Work M. 9–11 *or* W. 9–11	**Practical Work** M. 9–11 *or* W. 9–11	**Practical Classes** Tu. Th. 11–1 (Two weeks)

[1] Lectures *only* for students who have previously taken N.S.T. or Computer Science Tripos 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 5 October, between 2 and 4 p.m. at the *Department of Chemical Engineering*.

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)

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

MICHAELMAS 1999	LENT 2000	EASTER 2000
Fluid Mechanics of Multi-Dimensional and Turbulent Flow DR S. S. S. CARDOSO (Sixteen lectures)	**Reactors 2.1: Mixing, RTDs and Thermal Effects** DR G. D. MOGGRIDGE (Eight lectures)	
Optimization DR V. S. VASSILIADIS (Four lectures)	**Mathematical Methods** DR S. S. S. CARDOSO (Twelve lectures)	
Thermodynamics: Equilibria DR G. D. MOGGRIDGE (Twelve lectures)	**Two-Phase Flow** DR A. P. J. MIDDELBERG (Twelve lectures)	
Multi-Component Staged Processes DR H. A. CHASE (Eight lectures)	**Radiation** PROF. J. BRIDGWATER (Twelve lectures)	
Process Synthesis DR V. S. VASSILIADIS (Sixteen lectures)	**Process Systems–SHE** MR R. L. SKELTON (Sixteen lectures)	
Process Dynamics and Control DR R. M. NEDDERMAN (Sixteen lectures)	**Energy Integration** DR W. R. PATERSON (Eight lectures)	
Reactors 2.2 DR L. F. GLADDEN (Sixteen lectures)	**Biotechnology** DR A. P. J. MIDDELBERG (Eight lectures)	
	Materials DR P. J. BARRIE (Eight 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)

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

MICHAELMAS 1999	LENT 2000	EASTER 2000
Product Design DR G. D. MOGGRIDGE (Sixteen lectures)	**The Engineer and The Environment** MR R. L. SKELTON (Eight lectures)	
States of Matter PROF. J. BRIDGWATER (Sixteen lectures)	**Statistics** DR M. KRAFT (Sixteen lectures)	
Fluidisation DR R. M. NEDDERMAN (Sixteen lectures)	**Surface Science** PROF. A. GELMAN (Sixteen lectures)	
Polymers DR M. R. MACKLEY (Sixteen lectures)	**Fluid Mechanics** DR D.M. SCOTT (Sixteen lectures)	
Combustion DR A. N. HAYHURST (Sixteen lectures)	**Catalysis** DR L. F. GLADDEN (Eight lectures)	
Particle Technology DR R. B. THORPE (Eight lectures)	**Particle Technology** (continued) DR R. B. THORPE (Eight lectures)	
Reactor Modelling DR W. R. PATERSON (Eight lectures)	**Rheology** DR R. M. NEDDERMAN AND DR M. R. MACKLEY (Sixteen lectures)	
Bioprocess Engineering DR A. P. J. MIDDELBERG AND DR H. A. CHASE (Sixteen lectures)		
Product Design Classes To be arranged		