# Lent Term Timetable 2016

SMcL 19.1.16

Courses begin on Thursday 14 January and end on Wednesday 9 March. Paper numbers are shown in bold text, weeks in square brackets if not weeks 1-8 and room numbers in italics. Lecturers are in alphabetical order.

| | | | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Monday** | IA | **LAB/COMPUTING** (see rota)<br>**Computing briefing:** [2,4] LOVE, *4* | | **P3:** Linear circuits [1-3] DURKAN, *0*<br>**Engineering applications:** [4-6] LONG ET AL, *0*<br>**P1:**Mechanical vibrations [7-8] LANGLEY, *0* | **P1:** Thermofluid mechanics [1-8] ATKINS/C.HALL, *0* | | **LAB/COMPUTING** (see rota) | | | |
| 1. 18 Jan<br>2. 25 Jan | | IB | **P5:** Electrical power [1-5] FLACK, *0*<br>Electromagnetic fields & waves [6-8] AMARATUNGA, *0* | **P4:** Thermofluid mechanics [1-5] MILLER, *0*<br>**P6:** Communications [6-8] VENKATARAMANAN, *0* | **LAB/IDP/COMPUTING** (see rota)<br>**Computing intro talk:** [1,5] CIPOLLA, *4* | | | | | | |
| 3. 1 Feb<br>4. 8 Feb | | IIA | **3D7:** Finite element methods CIRAK/WELLS, *2*<br>**3F4:** Data transmission KINGSBURY/ VENKATARAMANAN/WASSELL, *6* | **3C9:** Fracture mechanics of materials & structures DESHPANDE/FLECK, *4*<br>**3F2:** Systems & control VINNICOMBE, *2* | **3B4:** Electric drive systems FLACK/McMAHON, *1*<br>**3D4:** Structural analysis & stability CIRAK/McROBIE, *2*<br>**3G3:** Introduction to neuroscience HENNEQUIN/LENGYEL/TURNER, *6* | **3G4:** Medical imaging & 3-D graphics GEE/PRAGER, *6*<br>**4D8:** Pre-stressed concrete BURGOYNE, 2<br>**4M12:** PDEs & variational methods DAVIDSON/LI, *4*<br>**4M16:** Nuclear power engineering SKELTON/PARKS, *1* | | **3E1:** Business economics MINA, *4*<br>**3E10:** Operations management for engineers ERHUN-OGUZ, *1* | | | |
| 5.15 Feb<br>6. 22 Feb<br>7. 29Feb<br>8. 7 Mar | | IIB/ GRAD | **4D4:** Construction engineering BRILAKIS/ELSHAFIE/MAIR, *3B*<br>**4M15:** Sustainable energy COLLINGS/M.J.PLATTS/SCOTT,5 | **4G4:** Biomimetics BABINSKY/IIDA/OYEN, *6* | **4A10:** Flow instability G.HUNT/JUNIPER, *3*<br>**4B20:** Display technology NATHAN/WILKINSON, *10*<br>**4G1:** Mathematical biology of the cell OLEARY/SAVIN, *5* | **4D8:** Pre-stressed concrete BURGOYNE, 2<br>**4M12:** PDEs & variational methods DAVIDSON/LI, *4*<br>**4M16:** Nuclear power engineering SKELTON/PARKS, *1* | | **4D7:** Concrete structures LEES/MIDDLETON, 3<br>**4I8:** Medical physics BOHNDIEK, CULLUM, *Small Lecture Theatre, Cavendish Lab (West Camb.)* | **4A4:** Aircraft stability & control [1-3] GRAHAM, *3B* | **4M1:** French TUAL, *10* | |
| | | METIIA | | **3P7:** Managing business & people PARLIKAD/MINSHALL, *IfM* | **3P5:** Industrial engineering [1-5] ERHUN/PLATTS, *IfM* | | | | | | |
| | **Tuesday** | IA | **P3:** [1-2] Linear circuits(AC)UDREA, *0*<br>[3-5] Electromagnetics WILKINSON,*0*<br>[6-8] Digital circuits PENTY, *0* | **Product design** [1-8] CRILLY, *0* | **LAB/COMPUTING** (see rota)<br>**Computing briefing:** [2,5] LOVE, *4* | | | **LAB/COMPUTING** (see rota) | | | |
| 1. 19 Jan<br>2. 26 Jan | | IB | **LAB/IDP/COMPUTING** (see rota)<br>**Computing intro talk:** [1,5] CIPOLLA, *4* | | **P1:** Mechanics [1-7] H.HUNT, *0* | **P6:** Fourier transforms/signal & data [1-3] GODSILL, *0*<br>**P7:** Linear algebra [4-7] JARRETT, *0* | **P5:** Electrical power [1-2] FLACK,0 | | | | |
| 3. 2 Feb<br>4. 9 Feb | | IIA | **3B4:** Electric drive systems FLACK/McMAHON, *3*<br>**3D4:** Structural analysis & stability CIRAK/McROBIE, *2*<br>**3G3:** Introduction to neuroscience HENNEQUIN/LENGYEL/TURNER, *6* | **3A3:** Fluid mechanics II AGARWAL/DAWES/JARRETT, *2*<br>**3D2:** Geotechnical engineering II HAIGH/MAIR, *6*<br>**3F6:** Software engineering & design PUNSKAYA/R.E.TURNER, *1* | **3A6:** Heat & mass transfer HOCHGREB/XU, *6*<br>**3B2:** Integrated digital electronics HOLBURN/UDREA, *2*<br>**3G2:** Mathematical physiology KABLA/LENGYEL, *5* | **3D7:** Finite element methods CIRAK/WELLS, *2*<br>**3F4:** Data transmission KINGSBURY/ VENKATARAMANAN/ WASSELL, *6* | | | **3M1:** Mathematical methods GALES/PARKS/ WELLS, *2* | **3E10:** Operations management for engineers examples class McKENZIE, *1* | |
| 5. 16 Feb<br>6. 23 Feb<br>7. 1 Mar<br>8. 8 Mar | | IIB/ GRAD | **4A13:** Combustion & IC engines COLLINGS/SWAMINATHAN, *3B*<br>**4D5:** Foundation engineering BISCONTIN/HAIGH, *5* | **4A12:** Turbulence & vortex dynamics DAVIDSON/ MASTORAKOS, *4*<br>**4B6:** Solid state devices CHU, *5*<br>**4F8:** Image processing & coding KINGSBURY/LASENBY, *3B* | **4A10:** Flow instability G.HUNT/JUNIPER, *3B*<br>**4B20:** Display technology NATHAN/WILKINSON, *10*<br>**4G1:** Mathematical biology of the cell OLEARY/SAVIN, *1* | **4B13:** Electronic sensors P.A. ROBERTSON, *4*<br>**4D6:** Dynamics in civil engineering MADABHUSHI/McROBIE/TALBOT, *3B*<br>**4F3:** Optimal & predictive control FORNI/MACIEJOWSKI, *5* | **4C8:** Applications of dynamics [1-4] COLE/JOHNSON, *5* | **4I11:** Advanced fission & fusion systems KEMP/ROULSTONE/SHWAGERAUS, *5*<br>**4D15:** Sustainable water engineering FENNER, *1* | | **4E11:** Strategic management ANSARI, *2* | |
| | | METIIA | **3P10** (VISITS, DEBRIEFS, SKILLS WORKSHOPS – see MET IIA timetable) | | | | | | | | |
| 1. 20 Jan<br>2. 27 Jan | **Wednesday** | IA | **P3:** Linear circuits [1-3] DURKAN,*0*<br>**P2:** Materials [4-7] SHERCLIFF, *0*<br>**P1:** Mechanical vibrations[8] LANGLEY,*0* | **P1:** Thermofluid mechanics [1-8] ATKINS/C.HALL, *0* | **EXAMPLES** (see schedule for rooms) | | **P4:** Mathematical methods [1-8] HYNES, *0* | | | | |
| 3. 3 Feb<br>4. 10 Feb | | IB | **LAB** (see rota) | | **P2:** Structures [1-4] TALBOT, *0*<br>**P6:** Communications [5-8] VENKATARAMANAN, *0* | **P7:** Probability [1-2] SAYIR, *0*<br>**P5:** Electrical power [3-5] FLACK,0<br>**P1:** Mechanics [8] H.HUNT, *0* | | | | | |
| 5. 17 Feb<br>6. 24 Feb<br>7. 2 Mar<br>8. 9 Mar | | IIA | **3G4:** Medical imaging & 3-D graphics GEE/PRAGER, *6*<br>**4D8:** Pre-stressed concrete BURGOYNE, 2<br>**4M12:** PDEs & variational methods DAVIDSON/LI, *4*<br>**4M16:** Nuclear power engineering SKELTON/PARKS, *1* | **3C6:** Vibration BUTLIN, *2*<br>**3F3:** Signal & pattern processing GHAHRAMANI/GODSILL, *3* | **LAB** | | | **LAB** | | | |

| | | | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | IIB/ GRAD | **4D8:** Pre-stressed concrete BURGOYNE, 2<br>**4M12:** PDEs & variational methods DAVIDSON/LI, *4*<br>**4M16:** Nuclear power engineering PARKS/SKELTON, *1* | | **4A12:** Turbulence & vortex dynamics DAVIDSON/MASTORAKOS, *4*<br>**4B6:** Solid state devices CHU, *5*<br>**4F8:** Image processing & coding KINGSBURY/LASENBY, *3B* | **4C5:** Design case studies CLARKSON/KRISTENSSON, *5*<br>**4D15:** Sustainable water engineering FENNER, *1*<br>**4G3:** Computational neuroscience BARRETT/HENNEQUIN/LENGYEL/TURNER, *6* | | **4D7:** Concrete structures LEES/MIDDLETON,3<br>**4I8:** Medical physics BOHNDIEK, CULLUM, *Small Lecture Theatre, Cavendish Lab (West Camb.)* | | **4E5:** International business economics KROEZEN, *1* | |
| | | METIIA | **3P9:** Industrial economics, strategy and governance VELU, *IfM* | | **3P4:** Operations management [1-4] ERHUN [5-8] PARLIKAD, *IfM* | | | | | | |
| 1. 14 Jan<br>2. 21 Jan<br>3. 28 Jan<br>4. 4 Feb<br>5.11 Feb<br>6.18 Feb<br>7. 25Feb<br>8. 3 Mar | **Thursday** | IA | **LAB briefing:** [1: 9.50-10.10] SCOTT, *0*<br>**P4:** Computing lecture [1] CSANYI, *0*<br>**P2:** Structures [2-5] LEES, *0*<br>**P1:** Mechanical vibrations [6-8] LANGLEY, *0* | **P2:** Materials [1-8] SHERCLIFF, *0* | **LAB/DRAWING** (see rota)<br>**Drawing lecture:** *1* | | | **LAB/DRAWING** (see rota)<br>**Drawing lecture:** *1* | | | |
| | | IB | **LAB/COMPUTING** (see rota)<br>**IDP lecture:** [1,5] SYMONS, *1* | **Integrated coursework lecture:** [1,5] HAIGH/MADABHUSHI, *1* | **P4:** Thermofluid mechanics [1-5] MILLER, *0*<br>**P5:** Electromagnetic fields & waves [6-8] AMARATUNGA, *0* | **P8:** Introductory business economics [1-8] MINA, *0* | | **IDP Project management lecture** [1,5] see rota RIDGMAN, *0* | | | |
| | | IIA | **3C9:** Fracture mechanics of materials & structures DESHPANDE/FLECK,*4*<br>**3F2:** Systems & control VINNICOMBE, *2* | **3A1:** Fluid mechanics I BABINSKY/JUNIPER/LI, *2*<br>**3B6:** Photonic technology PENTY/I.H.WHITE, *3A* | **3C6:** Vibration WOODHOUSE, *2*<br>**3F3:** Signal & pattern processing GHAHRAMANI/GODSILL, *4* | **3A3:** Fluid mechanics II AGARWAL/DAWES/JARRETT, *2*<br>**3D2:** Geotechnical engineering II HAIGH/MAIR, *6*<br>**3F6:** Software engineering & design PUNSKAYA/TURNER, *1* | | | **3M1:** Mathematical methods GALES/PARKS/ WELLS, *2*<br>**3E6:** Organisational behaviour WIEDNER, *5* | | |
| | | IIB/ GRAD | **4D4:** Construction engineering BRILAKIS/ELSHAFIE/MAIR, *3B*<br>**4M15:** Sustainable energy COLLINGS/M.J.PLATTS/SCOTT, *5* | 4C16: Advanced machine design SUTCLIFFE/SYMONS, *4*<br>4F2: Robust & nonlinear systems & control FORNI/SEPULCHRE, *5* | **4B13:** Electronic sensors P.A. ROBERTSON, *6*<br>**4D6:** Dynamics in civil engineering MADABHUSHI/McROBIE/TALBOT,*3B*<br>**4F3:** Optimal & predictive control FORNI/MACIEJOWSKI, *5* | **4B7:** VLSI HOLBURN/NATHAN, *10*<br>**4C8:** Applications of dynamics [5-8] COLE/JOHNSON, *4*<br>**4F11:** Speech & language processing BYRNE/WOODLAND, *5* | | **[1-3] 4A4:** Aircraft stability & control GRAHAM, *3B* | **4G4:** Biomimetics BABINSKY/IIDA/ OYEN, *4*<br>**4I7:** Electricity & environment POLLITT, [1-3,5-8] *Mill Lane LT2 [4] Mill Lane LT 9* | | |
| | | METIIA | MAJOR PROJECT | | | | | | | | |
| 1. 15 Jan<br>2. 22 Jan<br>3. 29 Jan<br>4. 5 Feb<br>5. 12Feb<br>6. 19Feb<br>7. 26Feb<br>8. 4 Mar | **Friday** | IA | **LAB/DRAWING** (see rota)<br>**Drawing lecture:** *1* | | **P2:** Structures [1-8] LEES, *0* | | **P3:** [1-2] Linear circuits (AC) UDREA, *0* [3-5] Electromagnetics WILKINSON, *0* [7-8] Digital circuits PENTY, *0*<br>**P4:** [6]Mathematical methods HYNES, *0* | **LAB/DRAWING** (see rota)<br>**Drawing lecture:** *1* | | | |
| | | IB | **P1:** Mechanics [1-8] H.HUNT, *0* | **P7:** Probability [1-4] SAYIR, *0*<br>**P2:** Structures [5-8] TALBOT, *0* | **EXAMPLES** (see schedule for rooms) | **P6:** Fourier transforms/signal & data [1-4] GODSILL, *0*<br>**P7:** Linear algebra [5-8] JARRETT, *0* | | | | | |
| | | IIA | **3A6:** Heat & mass transfer HOCHGREB/XU, *6*<br>**3B2:** Integrated digital electronics HOLBURN/UDREA, *2*<br>**3G2:** Mathematical physiology KABLA/LENGYEL, *5* | **3A1:** Fluid mechanics I BABINSKY/JUNIPER/LI, *2*<br>**3B6:** Photonic technology PENTY/I.H.WHITE, *3* | **LAB** | | | **LAB**<br>**3C6:** Vibration - Feedback WOODHOUSE [5,7,9] *5* | | | |
| | | IIB/ GRAD | **4C16:** Advanced machine design SUTCLIFFE/SYMONS, *4*<br>**4F2:** Robust & nonlinear systems & control FORNI/SEPULCHRE, *3* | **4A13:** Combustion & IC engines COLLINGS/SWAMINATHAN, *3B*<br>**4D5:** Foundation engineering BISCONTIN/HAIGH, *5* | **4C5:** Design case studies CLARKSON/KRISTENSSON, *5*<br>**4G3:** Computational neuroscience BARRETT/HENNEQUIN/LENGYEL/ TURNER, *6* | **4B7:** VLSI HOLBURN/NATHAN, *10*<br>**4C8:** Applications of dynamics COLE/JOHNSON, *4*<br>**4F11:** Speech & language processing BYRNE/WOODLAND, *5* | | **4E12:** Project management ORAIOPOLOUS, *2* | | | |
| | | METIIA | | **3P7:** Managing business & people PARLIKAD/MINSHALL, *IfM* | | | | **3P4: PRODUCTION GAME** [7] PARLIKAD, *Design Studio IfM* | | | |

**Lab Coordinator Part IA:** Dr S. Scott
**Lab Coordinator Part IB:** Prof M. Smith
**Lab Coordinator Part IIA:** Dr D. Liang

**Part IIA projects:** Dr H. Shercliff
**Part IIB projects:** Dr A. Gee