Please return by Monday 9th October 2017 to: Dr Rosie Ward (remw2@msm.cam.ac.uk). Please copy in your PI to indicate that they have agreed to you attending the courses you have chosen.

Name ...........................………………………..….. Research Group……………………………………………………….

Techniques of Materials Research

**I will attend the following lectures in this series (√ = YES; X = NO)**

|  |  |  |  |
| --- | --- | --- | --- |
| LECTURES | **✓ or X** | LECTURES | **✓ or X** |
| Thermal Analysis & Infrared spectroscopy (1L) |  | X-ray diffraction (2L) |  |
| Mechanical testing (1L) |   | Vacuum techniques (1L) |   |
| Transmission electron microscopy (2L) |   | X-ray analysis in SEM and TEM (1L) |  |
| Scanning probe microscopy (2L) |  | Characterisation of Electronic and Magnetic Props (2L) |  |
| Model fitting and data analysis (2L – 1.5 h each) |  |  |  |

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In-Depth Graduate Courses

**I will attend the following lectures in this series (√ = YES; X = NO)**

|  |  |  |  |
| --- | --- | --- | --- |
| MICHAELMAS TERM | **✓or X** | LENT TERM | **✓ or X** |
| Scanning Probe Microscopy (6L) |  | Introduction to Biomaterials (6L) |  |
| Transmission Electron Microscopy (6L[[1]](#footnote-1),[[2]](#footnote-2)) |  | Microfabrication Techniques (6L) |  |
| X-ray and Neutron Diffraction methods (6L2) |  | Nanoindentation (6L) |  |
| Scanning electron microscopy (8L2) |  | Microanalysis (SEM and TEM – 6L + 2 demonstrations) |  |
|  |  | Nanoelectrochemistry (8L + examples class) |  |

1. Example classes will be arranged for this course for Materials students. Chemistry students will be allowed to join if space allows. [↑](#footnote-ref-1)
2. The assessment tests for this course will be run for Materials students. Chemistry students will be allowed to join if space allows and the course lecturer is willing to mark the extra scripts. [↑](#footnote-ref-2)