Timetable and session plan

Lectures will be held in the Jimmy Knott hall at Trevelyan College except for Lecture 13 (Tuesday pm) and Lecture 23 (Thursday am) which will be in a chemistry lecture theatre. Please gather in the foyer of Collingwood College from ~15:15 on Sunday afternoon and we'll walk to the teaching room together.

Afternoon practical sessions will be held in computer classrooms adjacent to the Chemistry department, CG66/68 (the "courtyard building"). Breakfast in college is 08.00 - 08.45. Morning lectures start at 9.00 sharp. All sessions are compulsory.

<table>
<tr><th></th><th>Sunday 8/4/16</th><th>Monday 9/4/16</th><th>Tuesday 10/4/16</th><th>Weds 11/4/16</th><th>Thursday 12/4/16</th></tr>
<tr><td>09:00</td><td rowspan="5"></td><td>3. Intro to (powder) diffraction</td><td>9. Structure factors, peak intensities & Rietveld refinement</td><td>16. Peak shapes & microstructure</td><td>23. Question & answer/structure solution session</td></tr>
<tr><td>09:45</td><td>4. Peak positions tutorial</td><td>10. Data collection lecture</td><td>17. Restraints, constraints & rigid bodies</td><td>24. Spot the errors</td></tr>
<tr><td>11:00</td><td>Coffee</td><td>Coffee</td><td>Coffee</td><td>Coffee</td></tr>
<tr><td rowspan="2">11:30</td><td>5. Peak positions tutorial</td><td>11. Synchrotrons & neutrons</td><td>18. Intro to GSAS/Fullprof</td><td rowspan="2">25. Free problems, GSAS, Fullprof then wrap up</td></tr>
<tr><td>6. Least squares lecture</td><td>12. Tutorial</td><td>19. Tutorial</td></tr>
<tr><td>13:00</td><td>Lunch – Collingwood</td><td>Lunch – Collingwood</td><td>Lunch – Collingwood</td><td>Lunch – Collingwood</td></tr>
<tr><td rowspan="2">14:00</td><td>14.00 onwards Registration in Collingwood College</td><td rowspan="2">7. Least squares tutorial - excel</td><td>13. Interactive Rietveld refinement/Software intro</td><td rowspan="2">20. Rietveld problems - peak shapes</td><td rowspan="8"></td></tr>
<tr><td>15:30 Welcome/Intro</td><td>14. Rietveld problems - simple</td></tr>
<tr><td>16:00</td><td>1. Symmetry</td><td>Tea</td><td>Tea</td><td>Tea</td></tr>
<tr><td>16:30</td><td>2. Symmetry tutorial</td><td>8. Refining cell parameters - excel/TA and tour</td><td>15. Rietveld problems - tof/cw neutron</td><td>21. Rietveld problems - restraints/rigid bodies</td></tr>
<tr><td>18:00</td><td>Dinner – Collingwood</td><td>Close</td><td>Dinner - Collingwood</td><td>22. Rietveld problems - combined refinement</td></tr>
<tr><td>18:30</td><td>19.00 Symmetry tutorial</td><td>Dinner – Collingwood</td><td rowspan="3">"Fun" Tutorial</td><td>19.00 Bar open</td></tr>
<tr><td>19:30</td><td rowspan="2">19.00 Symmetry tutorial</td><td></td><td rowspan="2">19.30 Course Dinner</td></tr>
<tr><td>20:00</td><td>Pub Quiz</td></tr>
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Key:	Lecture slot	Other	Practical