Quantum Mechanics 2, Thermal and Statistical Physics, Electromagnetism, and Transferable Skills for Physicists have compulsory small group tutorials. Tutorial lists for the first three listed above we expect to be published in week one of semester.

The first two modules noted above have tutorials in groups of about 9 students with a tutor. One module has tutorials in even-numbered weeks, the other in odd-numbered weeks. The time within the week of the tutorial is determined in discussion between tutors and tutees. Students and their tutors are asked to determine as soon as possible in week one what will be suitable times.

Electromagnetism tutorials are in groups of about 5 students with a tutor. Some groups will meet in even-numbered weeks, and other groups in odd-numbered weeks.

Transferable Skills for Physicists tutorials are held on some weeks, usually at 10 am on Wednesdays. Timings are shown on the TSIP year timetable. Groups we expect to be the same as in semester one.

Tutorial attendance is a requirement of the programmes, and forms part of the Academic Alerts system (see the School Honours handbook). Preparation for tutorials and active participation in the tutorials is expected to aid understanding of the material, and subsequent performance in examinations. Please do all the requested tutorial work, and go along to your tutorial with relevant questions about the material. These tutorials are there for your benefit.

In many cases work should be submitted to your tutor in advance. A summary of assessment weightings is later in this document, and the detailed requirements will be given in communications from the module coordinators. Attendance in most cases will be logged in Moodle. For all modules, if you need to miss a tutorial for illness or other reasons you should self-certify for absence, and contact your tutor as soon as possible to let them know. In cases where you miss handing in work, you should also contact your tutor to discuss alternative arrangements for handing the work in.

Most JH Theoretical Physics students will be taking Lagrangian and Hamiltonian Dynamics in this semester, and should be aware that submission of tutorial work is a requirement, and marks from this contribute to the module grade.

Most Physics students will be doing physics labs, and Astronomy students Computational Astrophysics. These two modules are entirely continuously assessed, with work due in at intervals through the semester.

Note that students should be able to plan their work ahead in order to avoid any pile-up of their deadlines (though we have taken care to try to reduce major clashes above). For example, tutorial sheets are normally released at least a week before they are due to be submitted. All students are encouraged to keep their own work-planning diary to help them plan how to stay on track with their studies and their assessed work. At each module students will receive more detailed information on deadlines, which may include more than just those listed here.

Bruce Sinclair 22.1.18
Quantum Mechanics 2 – Dr Antje Kohnle Lecturer
Tutorials weeks 2, 4, 6, 8, 10, larger groups, 8 or 9 in a group
Class test QM2 week eight (after Spring break), 15% of module total
Successful engagement with a web-based question system (Peerwise) 5% of module total
Tutorial attendance reporting
Tutorial questions handed in but not summatively assessed.

Thermal and Statistical Physics – Prof Steve Lee and Dr Irina Leonhardt Lecturers
Tutorials weeks 3, 5, 7, 9, 11, larger groups, 8-10 in a group
Continuous assessment 20% - formally assessed tutorial questions; there is no class test.
Tutorial attendance reporting

EM each week, Dr Charles Baily Lecturer
Half class in tutorials in even-numbered weeks, half in odd, ~5 in a group.
One class test EM in week 7, 30% of module total
Meaningful contributions to discussion of module content, 5% of module total
Engagement with tutorial questions (see module handout), 5% of module total
Selected tutorial questions handed in each week
Tutorial attendance reporting

Transferable Skills for Physicists – Dr Bruce Sinclair Coordinator
Full timetable in module handbook
End week 5 Burn Conference
Wednesday week 9 proposal submission
Panel presentations week 10 or 11

Computational Astrophysics – Dr Peter Woitke Coordinator
Computing lab and lecture sessions Monday and Thursday 2-5.30 weeks 1-11 inclusive
Hand ins as announced, expected to be Mondays weeks 4, 6, 10, 12. Students at the TSfP
Burn Conference will be given a few days extra for the week 6 deadline.
More details in the module booklet

Physics labs – Dr Cameron Rae Coordinator
Lab Induction session on Thursday week 1
Laboratory practical sessions Monday and Thursday 2-5.30 weeks 2-11 inclusive
Lab book hand in Monday even weeks, starting week 4, unless otherwise advised
Laboratory attendance reporting
More details in the module booklet

Lagrangian and Hamiltonian Dynamics – Dr Bernd Braunecker Coordinator
Whole class tutorials in lecture slots
Tutorial work hand-ins at times shown following, 25% of module total
<table>
<thead>
<tr>
<th>Week</th>
<th>Quantum Mechanics 2 (QM2)</th>
<th>Thermal Physics (Thermal Phys)</th>
<th>Electromagnetism (Electromag)</th>
<th>TSIP Larger Deadlines</th>
<th>L&amp;HD for JH TP</th>
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<tbody>
<tr>
<td>1</td>
<td>Fri noon tut handin</td>
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<td>2</td>
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<td>Fri 4 pm tut handin</td>
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<td>Thur 2 pm tut 1 in</td>
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<td>3</td>
<td>Fri noon tut handin</td>
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<td>4</td>
<td>tut, Fri noon Peerwise handin</td>
<td>Fri 4 pm tut handin</td>
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<td>Thur 2 pm tut 2 in</td>
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<td>Fri noon tut handin</td>
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<td>6</td>
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<td>Fri 4 pm tut handin</td>
<td>tut some</td>
<td>Thur 2 pm tut 3 in</td>
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<td>7</td>
<td>Fri noon tut handin</td>
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<td>Tut some&lt;br&gt;&lt;strong&gt;Class test Thurs&lt;/strong&gt;</td>
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<td>8</td>
<td>tut, Class test Fri</td>
<td>Fri 4 pm tut handin</td>
<td>tut some</td>
<td>Thur 2 pm tut 4 in</td>
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<tr>
<td>9</td>
<td>Fri noon tut &amp; Peerwise handin</td>
<td>tut</td>
<td>tut some</td>
<td>Wed. proposals in</td>
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<td>10</td>
<td>tut</td>
<td>Fri 4 pm tut handin</td>
<td>tut some</td>
<td>Proposal panels</td>
<td>Thur 2 pm tut 5 in</td>
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<td>11</td>
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<td>tut</td>
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<td>Proposal panels</td>
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Quantum Mechanics 2 has tutorials on even-numbered weeks. Tutorial work should be handed in to the mail slot of your tutor by Friday noon of the previous week. A class test will be held as noted in the timetable above.

Thermal and Statistical Physics has continuous assessment associated with some of the tutorial work, with one assessed sheet to be handed in before each tutorial. Work should be submitted to the School Office by 4 pm on the Friday before the tutorial. The University’s Coursework penalty scheme C will be used if necessary, modified for the weekend where no work can be handed in. This means that handing in between Friday 4 pm and the School Office closing for the day the penalty will be 20% off, and this will remain the penalty until 10 am on the following Monday. Work handed in after 10 am Monday but before 4 pm will get a 60% penalty. Work handed in during office hours for the rest of Monday but before the tutorial would attract a 65% penalty, and work handed in after this time will get a mark of zero.

Electromagnetism has tutorials every week, but some groups will run on even-numbered weeks, and others on odd-numbered weeks. Tutorial solutions should be handed in weekly to the mail slot of your tutor on Thursdays by noon. Both submissions will be returned at your fortnightly tutorial. The class test will be as noted in the timetable above.