<table>
<thead>
<tr>
<th>Module Code</th>
<th>CS7CS1</th>
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<tbody>
<tr>
<td>Module Name</td>
<td>Research Methods</td>
</tr>
<tr>
<td>ECTS weighting</td>
<td>5</td>
</tr>
<tr>
<td>Term</td>
<td>MT</td>
</tr>
<tr>
<td>Contact Hours</td>
<td>2 hours per week, to include School seminars</td>
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<tr>
<td>Module Personnel</td>
<td>Professor Brendan Tangney</td>
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### Module Learning Outcomes

Students who complete this module should be able to:

- CS1LO1 locate and obtain relevant research articles in print and electronic archives, with discernment; (LO5, LO6)
- CS1LO2; shape research questions and methods for answering them with attention to methodological possibilities that recognizably instantiate sound scientific methods; (LO6)
- CS1LO3 formulate, defend and communicate arguments; (LO5, LO6)
- CS1LO4 write articles on novel research and position papers, both according to internationally recognized scholarly style-guides; (LO5, LO6)
- CS1LO5 constructively critique articles according to the standard that one may expect of peer review, internationally; (LO5, LO6)
- CS1LO6 evaluate ethical challenges and ramifications of research.

### Module Learning Aims

The module is designed to foster constructive reflection on methods of scientific research in computer science.

### Module Content

Specific topics addressed in this module include:

- Literature search and reviews
- Academic writing
- Presenting
- Research methods, research design
- Research ethics

### Assessment Details

Coursework: 100%

Coursework consists of individual and team projects and presentations.