Statistical Science

Decision and Risk (STAT0011)

**Description**
This module aims to provide an introduction to the ideas underlying the calculation of risk from a Bayesian and frequentist standpoint, and the structure of rational, consistent decision making. It is primarily intended for third and fourth year undergraduate students and taught postgraduate students registered on the degree programmes offered by the Department of Statistical Science, or jointly with other departments.

On successful completion of the module, a student should be able to understand special measures of risk, understand the concepts of decision theory, find appropriate probability models for risky events and check the validity of the underlying assumptions, and be familiar with methodology for detecting changes in risk levels over time.

**Key information**

<table>
<thead>
<tr>
<th><strong>Year</strong></th>
<th>2019/20</th>
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</thead>
<tbody>
<tr>
<td><strong>Credit value</strong></td>
<td>15 (150 study hours)</td>
</tr>
<tr>
<td><strong>Delivery</strong></td>
<td>UG L6, Campus-based</td>
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<tr>
<td><strong>Reading List</strong></td>
<td>View on UCL website</td>
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<tr>
<td><strong>Tutor</strong></td>
<td>Mr Alex Donov</td>
</tr>
<tr>
<td><strong>Term</strong></td>
<td>Term 2</td>
</tr>
<tr>
<td><strong>Timetable</strong></td>
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**Assessment**

- Written examination (main exam period): 90%
- Coursework: 10%

**Find out more**

For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](http://ucl.ac.uk)
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Key information
Year: 2019/20
Credit value: 15 (150 study hours)
Delivery: PGT L7, Campus-based
Reading List: View on UCL website
Tutor: Mr Alex Donov
Term: Term 2
Timetable: View on UCL website

Assessment
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- Coursework: 10%

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Disclaimer: All information correct as of June 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
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