PLEASE NOTE CAREFULLY:
The full set of school regulations and procedures is contained in the Undergraduate Student Handbook which is available online at your MyAberdeen Organisation page. Students are expected to familiarise themselves not only with the contents of this leaflet but also with the contents of the Handbook. Therefore, ignorance of the contents of the Handbook will not excuse the breach of any School regulation or procedure.

You must familiarise yourself with this important information at the earliest opportunity.

COURSE CO-ORDINATOR/COURSE TEAM

1. Dr Toby Meadows (course coordinator) – Office Hours (by appointment) - 01224 272368 – toby.meadows@abdn.ac.uk
2. Dr Adam Wyner –
   http://www.abdn.ac.uk/ncs/people/profiles/azwyner
3. Professor Kees Van Deemter –
   https://www.abdn.ac.uk/ncs/profiles/k.vdeemter
4. Dr Paul Bishop –
   http://www.abdn.ac.uk/psychology/people/details/p.bishop
**Discipline Administration:**
Miss Lisa Roberts  
50-52 College Bounds  
Room CB001  
01224 273986  
philosophy@abdn.ac.uk

**TIMETABLE**

Please note some changes may occur in Week 5.

<table>
<thead>
<tr>
<th>Lecture – Attend for Weeks 1-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 9am-11am Meston, MT4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Revision Session- Attend for Week 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 9am-11am Meston, MT4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tutorials – MUST be registered and attend the SAME tutorial in Weeks 1-4 &amp; 6-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 11am-12pm Taylor, C17</td>
</tr>
<tr>
<td>Wednesday 11am-12pm King’s College, KCG6</td>
</tr>
<tr>
<td>Wednesday 11am-12pm Edward Wright Annexe, F11</td>
</tr>
<tr>
<td>Wednesday 12pm-1pm Meston MT009</td>
</tr>
<tr>
<td>Wednesday 12pm-1pm Meston MT013</td>
</tr>
<tr>
<td>Wednesday 12pm-1pm College Bounds, CB202</td>
</tr>
<tr>
<td>Wednesday 12pm-1pm Edward Wright, S86</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory Session- Must be registered and attend one of the below in Week 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 11am-1pm MacRobert, MR265</td>
</tr>
<tr>
<td>Wednesday 11am-1pm MacRobert, MR317</td>
</tr>
<tr>
<td>Wednesday 11am-1pm New King’s, NK7</td>
</tr>
<tr>
<td>Wednesday 11am-1pm New King’s, NK11</td>
</tr>
<tr>
<td>Wednesday 11am-1pm William Guild, Lab S27</td>
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<tr>
<td>Wednesday 11am-1pm William Guild, Lab T33</td>
</tr>
<tr>
<td>Wednesday 11am-1pm Teaching Lab FN219A</td>
</tr>
<tr>
<td>Wednesday 11am-1pm Teaching Lab FN219B</td>
</tr>
</tbody>
</table>

*Students can view their university timetable at*  
http://www.abdn.ac.uk/infohub/study/timetables-550.php
COURSE DESCRIPTION
What makes an argument convincing? What gives our language meaning? Are there limits to reason? What are the laws of thought?
Formal logic has proved itself an exceptionally powerful tool in contemporary philosophy, computer science, psychology, linguistics and mathematics. This course will provide an introduction to the tools of formal logic including: the assessment of arguments; the symbolic representation of language; and the abstract representation of meaning. It will then apply these tools to topics including: the Sorites paradox (philosophy); everyday reasoning (psychology); description logic (computer science); systematic translation (linguistics); and continuity (mathematics).
The underlying core of Logic, Language and Information will be a foundation in elementary propositional and predicate logic. This will comprise six weeks of the course delivered in two three week phases. The remaining weeks will give students the opportunity to apply the core skills in disciplines spread across the university.

INTENDED AIMS AND LEARNING OUTCOMES
Students undertaking the Logic, Language and Information will:

- Develop critical thinking skills that will allow them to understand how language and reasoning work. This will give them the skills to better evaluate real world arguments in situations ranging from politics to medicine.

- Enhance their ability to clearly articulate flaws in arguments and reasoning practices. This provides students with the ability to not only get to the truth, but also the ability to help others get there.

- Learn how to apply abstract logical approaches to a variety of applications in diverse areas of research. This will provide students with the foundation to apply the skills they develop into new areas and the ability to use these skills in their lives more generally.
<table>
<thead>
<tr>
<th>Teaching Week</th>
<th>Session Type</th>
<th>Content Type</th>
<th>Content Material</th>
<th>Who</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lecture</td>
<td>Core</td>
<td>Arguments &amp; Translation</td>
<td>Meadows</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>Core</td>
<td>Meaning &amp; Truth Tables</td>
<td>Meadows</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>Core</td>
<td>Proofs &amp; Arguments</td>
<td>Meadows</td>
</tr>
<tr>
<td>2</td>
<td>Lecture</td>
<td>App</td>
<td>Sorites Paradox (Philosophy)</td>
<td>Meadows</td>
</tr>
<tr>
<td>3</td>
<td>Lecture</td>
<td>App</td>
<td>Everyday Reasoning (Psychology)</td>
<td>Pearson</td>
</tr>
<tr>
<td>4</td>
<td>Lecture</td>
<td>Core</td>
<td>Predicates &amp; Translation</td>
<td>Meadows</td>
</tr>
<tr>
<td>5</td>
<td>Lecture</td>
<td>Core</td>
<td>Models &amp; Meaning</td>
<td>Meadows</td>
</tr>
<tr>
<td>6</td>
<td>Lecture</td>
<td>Core</td>
<td>Proofs &amp; Completeness</td>
<td>Meadows</td>
</tr>
<tr>
<td>7</td>
<td>Lecture</td>
<td>App</td>
<td>Continuity (Mathematics)</td>
<td>Meadows</td>
</tr>
<tr>
<td>8</td>
<td>Lecture</td>
<td>Core</td>
<td>Further Tableau Exercises</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Lecture</td>
<td>App</td>
<td>Systematic Translation (Linguistics)</td>
<td>Wyner</td>
</tr>
<tr>
<td>10</td>
<td>Lecture</td>
<td>App</td>
<td>Description Logic (Computing Science)</td>
<td>Deemter</td>
</tr>
<tr>
<td>11</td>
<td>Lecture</td>
<td>App</td>
<td>Description Logic (Computing Science)</td>
<td>Deemter</td>
</tr>
</tbody>
</table>
READING LIST
Logic Text Errata: [http://consequently.org/logic/errata.html](http://consequently.org/logic/errata.html)

ASSESSMENT
Students will complete three pieces of assessment:

1. **Group assignment (40%)**: this will assess students’ mastery of the basic core material from the first three weeks. The assignment will be distributed at the end of Week 3. It will be due at the end of Week 5.
2. **Application essay (30%)**: an essay on one of the first two application sections. The essay questions will be distributed at the end of Week 5 and it will fall due at the end of Week 8.
3. **Final assignment (30%)**: a set of problems based on the final core sections and some short answers to questions relating to the final application sections. The assignment will be distributed at the end of Week 11 and fall due at the end of Week 12 (Revision Week)

*Click to view the University Level Descriptors (ANNEX A).*
*Click to view the University Assessment Scale Band Descriptors (ANNEX B).*

PLEASE NOTE: In order to pass a course on the first attempt, a student must attain a Common Grading Scale (CGS) mark of at least E3 on each element of course assessment. Failure to do so will result in a grade of no greater than CGS E1 for the course as a whole.

SUBMISSION ARRANGEMENTS

FOR THE GROUP ASSIGNMENT AND FINAL ASSIGNMENT—Submit one paper copy with a completed essay cover sheet to the drop boxes in CB008 in 50-52 College Bounds and one scanned copy to philosophy@abdn.ac.uk with the title...
‘SX1018 Assessment <student number>’. Both copies to be submitted by 3.00pm on the due date.

Please note: Failure to submit both an electronic copy to the email address above and an identical paper copy, will result in a zero mark.

FOR THE APPLICATION ESSAY-Submit one paper copy with a completed essay cover sheet to the drop boxes in CB008 in 50-52 College Bounds and one electronic copy to Turnitin via MyAberdeen. Both copies to be submitted by 3.00pm on the due date.

Please note: Failure to submit both an electronic copy to TurnitinUK and an identical paper copy, with the digital receipt attached, will result in a deduction of marks.

Failure to submit to TurnitinUK will result in a zero mark.