Course Outline (Higher Education)

School / Faculty: Faculty of Education and Arts
Course Title: LOGIC AND REASONING
Course ID: PHILO1002
Credit Points: 15.00
Prerequisite(s): Nil
Co-requisite(s): Nil
Exclusion(s): Nil
ASCED Code: 090305
Grading Scheme: Graded (HD, D, C, etc.)

Program Level:

<table>
<thead>
<tr>
<th>Level</th>
<th>5</th>
<th>6</th>
<th>7</th>
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<tbody>
<tr>
<td>Introductory</td>
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<tr>
<td>Intermediate</td>
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<tr>
<td>Advanced</td>
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Learning Outcomes:

Knowledge:

K1. Define principles of sound reasoning
K2. Explain key concepts and methods in critical thinking, especially concerning the understanding and evaluation of arguments
K3. Recognise the role of argument in academic, professional and everyday life and the differing forms and standards appropriate in various academic traditions

Skills:

S1. Demonstrate proficiency in recognising and analysing different forms of reasoning
S2. Gain appropriate techniques in evaluating the validity of arguments in academic, professional and everyday life
S3. Achieve the capacity to recognise the function of language in relation to definition, style, ambiguity and types of claims

Application of knowledge and skills:

A1. Analyse and critically evaluate important and topical arguments pertaining to politics, ethics, and science
A2. Learn to identify and critique fallacious arguments
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A3. Become a more rigorous and critical thinker

Course Content:
Topics may include:

- Defining and identifying reasoning
- Identifying different argumentative structures
- Evaluating reasoning for validity
- Conditional reasoning
- Hidden premises
- Identifying fallacies
- The structure of debate
- Explanation
- Scientific Reasoning

Values and Graduate Attributes:

Values:

V1. An awareness of the role of argument and critical thinking in academic, professional and everyday life
V2. Respect for the procedures of disciplined philosophical argumentation
V3. Appreciate the importance of clear and critical thinking in academic, professional and everyday life
V4. Empowerment through critical thinking and skills obtained in the understanding, construction and evaluation of argument

Graduate Attributes:

FedUni graduate attributes statement. To have graduates with knowledge, skills and competence that enable them to stand out as critical, creative and enquiring learners who are capable, flexible and work ready, and responsible, ethical and engaged citizens.

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Brief Description</th>
<th>Focus</th>
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<tbody>
<tr>
<td>Knowledge, skills and competence</td>
<td>Students will continuously develop skills in comprehension, problem-solving, and analysis</td>
<td>High</td>
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<tr>
<td>Critical, creative and enquiring learners</td>
<td>Students will build on their skills in clear communication, personal organisation, and critical thinking</td>
<td>High</td>
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<tr>
<td>Capable, flexible and work ready</td>
<td>Students will develop new skills in the critical analysis of arguments and debates</td>
<td>Medium</td>
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<tr>
<td>Responsible, ethical and engaged citizens</td>
<td>Students will work to gain the skills and confidence needed to critically assess the claims and arguments of others, and to subject their own beliefs to rigorous questioning</td>
<td>Medium</td>
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Learning Task and Assessment:

<table>
<thead>
<tr>
<th>Learning Outcomes Assessed</th>
<th>Assessment Task</th>
<th>Assessment Type</th>
<th>Weighting</th>
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<tbody>
<tr>
<td>K1, K2, K3, S1, S2, S3, A1, A2, A3</td>
<td>Make informed contributions to discussions of set texts</td>
<td>Tutorial and online participation, assessed throughout the semester</td>
<td>15 - 20%</td>
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<tr>
<td>K1, K2, S1, S2, S3, A1, A3</td>
<td>Mid semester test</td>
<td>Exam</td>
<td>35 - 45%</td>
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<td>K1, K2, S2, S3, A1, A2, A3</td>
<td>Final exam</td>
<td>Exam</td>
<td>40 - 55%</td>
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Adopted Reference Style:

Chicago