

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:

AQF Level of Program						
	5	6	7	8	9	10
Level						
Introductory	■	■	✓	■	■	■
Intermediate	■	■	■	■	■	■
Advanced	■	■	■	■	■	■

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

Course Outline (Higher Education)

PHILO1002 LOGIC AND REASONING

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.

Attribute	Brief Description	Focus
Knowledge, skills and competence	Students will continuously develop skills in comprehension, problem-solving, and analysis	High

Course Outline (Higher Education)

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Attribute	Brief Description	Focus
Critical, creative and enquiring learners	Students will build on their skills in clear communication, personal organisation, and critical thinking	High
Capable, flexible and work ready	Students will develop new skills in the critical analysis of arguments and debates	Medium
Responsible, ethical and engaged citizens	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	Medium

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Task	Assessment Type	Weighting
K1, K2, K3, S1, S2, S3, A1, A2, A3	Make informed contributions to discussions of set texts	Tutorial and online participation, assessed throughout the semester	15 - 20%
K1, K2, S1, S2, S3, A1, A3	Mid semester test	Exam	35 - 45%
K1, K2, S2, S3, A1, A2, A3	Final exam	Exam	40 - 55%

Adopted Reference Style:

Chicago