Washtenaw Community College Comprehensive Report

PHL 250 Logic
Effective Term: Spring/Summer 2025

Course Cover

College: Humanities, Social and Behavioral Sciences
Division: Humanities, Social and Behavioral Sciences
Department: Humanities, Languages and the Arts
Discipline: Philosophy (new)
Course Number: 250
Org Number: 11400
Full Course Title: Logic
Transcript Title: Logic
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Three Year Review / Assessment Report
Change Information:
  Consultation with all departments affected by this course is required.
Rationale: Review of syllabus following course assessment in winter 24.
Proposed Start Semester: Fall 2024
Course Description: In this course, students are introduced to the discipline of philosophical logic. Emphasis will be placed on the distinction between deductive/formal reasoning and inductive/informal reasoning. With regard to the former, the course will examine different methods for the evaluation of deductive/formal arguments or reasoning. With regard to the latter, the course will again explore methods of evaluation, highlighting common mistakes in informal or everyday reasoning.

Course Credit Hours

Variable hours: No
Credits: 3
Lecture Hours: Instructor: 45 **Student:** 45
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 45 **Student:** 45
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education

MACRAO
 MACRAO Humanities

General Education Area 6 - Arts and Humanities
Assoc in Applied Sci - Area 6
Assoc in Science - Area 6
Assoc in Arts - Area 6
Michigan Transfer Agreement - MTA
MTA Humanities

Request Course Transfer
Proposed For:
Eastern Michigan University
Michigan State University
Oakland University
University of Michigan
Wayne State University

Student Learning Outcomes

1. Distinguish between deductive/formal reasoning and inductive/informal reasoning.
   Assessment 1
   Assessment Tool: Outcome-related departmental exam questions
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All students
   Number students to be assessed: All sections
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of students will score 70% or higher.
   Who will score and analyze the data: Departmental faculty

2. Successfully apply multiple methods for the evaluation of deductive arguments.
   Assessment 1
   Assessment Tool: Outcome-related departmental exam questions
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All students
   Number students to be assessed: All sections
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of students will successfully apply four or more methods of validity testing.
   Who will score and analyze the data: Departmental faculty

3. Recognize common mistakes or fallacies in inductive/informal arguments.
   Assessment 1
   Assessment Tool: Outcome-related departmental exam questions
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All students
   Number students to be assessed: All sections
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of students will score 70% or higher.
   Who will score and analyze the data: Departmental faculty

Course Objectives
1. Identify and define the concepts of validity and soundness.
2. Identify and define what it means for reasoning to be formal.

3. Develop a formal language or logical notation for the purpose of translating and evaluating arguments.
4. Employ the truth table method for evaluating deductive arguments.
5. Employ the indirect truth table method for evaluating deductive arguments.
6. Employ the method of proof for evaluating deductive arguments.
7. Employ the Venn diagram method for evaluating deductive arguments.
8. Employ the rules method for evaluating deductive arguments.
9. Identify and discuss central concepts relating to inductive/informal logic, such as strength and cogency.
10. Identify and define what it means for reasoning to be informal.
11. Identify fallacies or mistakes common to inductive/informal reasoning.

New Resources for Course

Course Textbooks/Resources

Textbooks
   Copi and Cohen. *Introduction to Logic*, ed. unknown, 0
   Cohen, C. *Introduction to Logic*, 14 ed. Pearson, 2007, ISBN: 9780205820375.
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

Reviewer	Action	Date
Faculty Preparer:		
Charles Johnson	*Faculty Preparer*	*May 05, 2024*
Department Chair/Area Director:		
Elisabeth Thoburn	*Recommend Approval*	*May 06, 2024*
Dean:		
Anne Nichols	*Recommend Approval*	*May 09, 2024*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*Apr 24, 2025*
Assessment Committee Chair:		
Jessica Hale	*Recommend Approval*	*Apr 26, 2025*
Vice President for Instruction:		
Brandon Tucker	*Approve*	*Apr 28, 2025*

Washtenaw Community College Comprehensive Report

PHL 250 Logic
Effective Term: Fall 2022

Course Cover

College: Humanities, Social and Behavioral Sciences
Division: Humanities, Language & the Arts
Department: Humanities
Discipline: Philosophy (new)
Course Number: 250
Org Number: 11400
Full Course Title: Logic
Transcript Title: Logic
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Three Year Review / Assessment Report
Change Information:
   Other:
Rationale: Three-year syllabus review following course assessment.
Proposed Start Semester: Winter 2022
Course Description: In this course, students are introduced to the discipline of philosophical logic. Emphasis will be placed on the distinction between deductive/formal reasoning and inductive/informal reasoning. With regard to the former, the course will examine different methods for the evaluation of deductive/formal arguments or reasoning. With regard to the latter, the course will again explore methods of evaluation, highlighting common mistakes in informal or everyday reasoning.

Course Credit Hours

Variable hours: No
Credits: 3
Lecture Hours: Instructor: 45 **Student:** 45
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 45 **Student:** 45
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education
MACRAO
 MACRAO Humanities

General Education Area 6 - Arts and Humanities
 Assoc in Applied Sci - Area 6
 Assoc in Science - Area 6
 Assoc in Arts - Area 6
Michigan Transfer Agreement - MTA
 MTA Humanities

Request Course Transfer
Proposed For:
 Eastern Michigan University
 Michigan State University
 Oakland University
 University of Michigan
 Wayne State University

Student Learning Outcomes

1. Distinguish between deductive/formal reasoning and inductive/informal reasoning.
    Assessment 1
        Assessment Tool: Outcome-related departmental exam questions
        Assessment Date: Fall 2024
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All students
        Number students to be assessed: All sections
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 70% of students will score 70% or higher.
        Who will score and analyze the data: Departmental faculty

2. Successfully apply multiple methods for the evaluation of deductive arguments.
    Assessment 1
        Assessment Tool: Outcome-related departmental exam questions
        Assessment Date: Fall 2024
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All students
        Number students to be assessed: All sections
        How the assessment will be scored: Departmentally-developed rubric
        Standard of success to be used for this assessment: 70% of students will successfully apply four or more methods of validity testing.
        Who will score and analyze the data: Departmental faculty

3. Recognize common mistakes or fallacies in inductive/informal arguments.
    Assessment 1
        Assessment Tool: Outcome-related departmental exam questions
        Assessment Date: Fall 2024
        Assessment Cycle: Every Three Years
        Course section(s)/other population: All students
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7. Employ the Venn diagram method for evaluating deductive arguments.
8. Employ the rules method for evaluating deductive arguments.
9. Identify and discuss central concepts relating to inductive/informal logic, such as strength and cogency.
10. Identify and define what it means for reasoning to be informal.
11. Identify fallacies or mistakes common to inductive/informal reasoning.

New Resources for Course

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Textbooks
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    Cohen, C. *Introduction to Logic*, 14 ed. Pearson, 2007, ISBN: 9780205820375.
Manuals
Periodicals
Software

Equipment/Facilities
Level III classroom

Reviewer	Action	Date
Faculty Preparer:		
Charles Johnson	*Faculty Preparer*	*Jan 06, 2022*
Department Chair/Area Director:		
Elisabeth Thoburn	*Recommend Approval*	*Jan 10, 2022*
Dean:		
Scott Britten	*Recommend Approval*	*Jan 13, 2022*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*Feb 24, 2022*
Assessment Committee Chair:		
Shawn Deron	*Recommend Approval*	*Feb 24, 2022*
Vice President for Instruction:		
Kimberly Hurns	*Approve*	*Mar 02, 2022*

Washtenaw Community College Comprehensive Report

PHL 250 Logic
Effective Term: Fall 2019

Course Cover

Division: Humanities, Social and Behavioral Sciences
Department: Humanities
Discipline: Philosophy
Course Number: 250
Org Number: 11540
Full Course Title: Logic
Transcript Title: Logic
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission:
Change Information:
    Consultation with all departments affected by this course is required.
Rationale: Syllabus reviewing following Fall 2018 assessment.
Proposed Start Semester: Winter 2019
Course Description: In this course, students are introduced to the discipline of philosophical logic. Emphasis will be placed on the distinction between deductive/formal reasoning and inductive/informal reasoning. With regard to the former, the course will examine different methods for the evaluation of deductive/formal arguments or reasoning. With regard to the latter, the course will again explore methods of evaluation, highlighting common mistakes in informal or everyday reasoning.

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Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education

MACRAO
 MACRAO Humanities
General Education Area 6 - Arts and Humanities

Assoc in Applied Sci - Area 6
Assoc in Science - Area 6
Assoc in Arts - Area 6
Michigan Transfer Agreement - MTA
MTA Humanities

Request Course Transfer

Proposed For:
Eastern Michigan University
Michigan State University
University of Michigan
Wayne State University

Student Learning Outcomes

1. Distinguish between deductive/formal reasoning and inductive/informal reasoning.
    Assessment 1
    Assessment Tool: Department Exam
    Assessment Date: Fall 2021
    Assessment Cycle: Every Three Years
    Course section(s)/other population: All students
    Number students to be assessed: All sections
    How the assessment will be scored: Department Rubric
    Standard of success to be used for this assessment: 70% of students will score 70% or higher
    Who will score and analyze the data: Department faculty

2. Successfully apply multiple methods for the evaluation of deductive arguments.
    Assessment 1
    Assessment Tool: Department Exam
    Assessment Date: Fall 2021
    Assessment Cycle: Every Three Years
    Course section(s)/other population: All Students
    Number students to be assessed: All Sections
    How the assessment will be scored: Department Rubric
    Standard of success to be used for this assessment: 70% of students will successfully apply four or more methods of validity testing
    Who will score and analyze the data: Department faculty

3. Recognize common mistakes or fallacies in inductive/informal arguments.
    Assessment 1
    Assessment Tool: Department Exam
    Assessment Date: Fall 2021
    Assessment Cycle: Every Three Years
    Course section(s)/other population: All Students
    Number students to be assessed: All Sections
    How the assessment will be scored: Department Rubric
    Standard of success to be used for this assessment: 70% of students will score 70% or higher
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Manuals
Periodicals
Software

Equipment/Facilities
Level I classroom
Level III classroom

Reviewer	Action	Date
Faculty Preparer:		
Charles Johnson	*Faculty Preparer*	*Jan 24, 2019*
Department Chair/Area Director:		
Allison Fournier	*Recommend Approval*	*Jan 29, 2019*
Dean:		
Kristin Good	*Recommend Approval*	*Jan 29, 2019*
Curriculum Committee Chair:		
Lisa Veasey	*Recommend Approval*	*Feb 20, 2019*
Assessment Committee Chair:		
Shawn Deron	*Recommend Approval*	*Feb 21, 2019*
Vice President for Instruction:		
Kimberly Hurns	*Approve*	*Feb 25, 2019*