

PHIL 161: INDUCTIVE LOGIC II

In Workflow

1. PHIL Committee Chair (grandolphmayes@csus.edu)
2. PHIL Chair (rdisilv@csus.edu)
3. ALS College Committee Chair (abuckman@csus.edu)
4. ALS Dean (rfisher@csus.edu)
5. Academic Services (torsetj@csus.edu; cnewsome@skymail.csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu; celena.showers@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (torsetj@csus.edu)
10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Thu, 22 Jul 2021 16:07:29 GMT
G. Mayes (grandolphmayes): Approved for PHIL Committee Chair
2. Thu, 19 Aug 2021 00:08:26 GMT
Russell DiSilvestro (rdisilv): Approved for PHIL Chair
3. Wed, 22 Sep 2021 22:41:33 GMT
Alyson Buckman (abuckman): Approved for ALS College Committee Chair
4. Fri, 24 Sep 2021 18:28:50 GMT
Robin Fisher (rfisher): Approved for ALS Dean

History

1. Mar 18, 2019 by Matt McCormick (mccormic)

Course Deactivation Proposal

Date Submitted: Fri, 18 Jun 2021 17:14:30 GMT

Viewing: PHIL 161 : Inductive Logic II

Last approved: Mon, 18 Mar 2019 21:49:10 GMT

Last edit: Fri, 18 Jun 2021 17:14:29 GMT

Changes proposed by: G. Mayes (101041144)

This course will cease being taught as a result of concurrently submitted program revisions.

Catalog Title:

Inductive Logic II

Class Schedule Title:

Inductive Logic II

Academic Group: (College)

ALS - Arts & Letters

Academic Organization: (Department)

Philosophy

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Fall 2022 (2022/2023 Catalog)

Subject Area: (prefix)

PHIL - Philosophy

Catalog Number: (course number)

161

Course ID: (For administrative use only.)

202972

Units:

3

In what term(s) will this course typically be offered?

Fall, Spring

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

Further study of inductive logic. Topics include: the nature of uncertainty, probability and inductive rationality, Bayes' Theorem, the nature of utility, expected value theory, decisions under uncertainty, game theory, strict and weak dominance, decision-theoretic paradoxes, pure and mixed strategy Nash equilibria.

Are one or more field trips required with this course?

No

Fee Course?

No

Does this course have prerequisites?

Yes

Prerequisite:

Phil 61 Inductive Logic I or instructor permission.

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Seminar

Seminar Classification

CS#05 - Seminar (K-factor=1 WTU per unit)

Seminar Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."

By the end of the course, students who pass the class will understand:

- (1) advanced undergraduate concepts, tools, and theory of inductive logic.
- (2) advanced undergraduate application of Bayes' Theorem.
- (3) theories of inductive rationality, utility, and value.
- (4) the basic concepts, tools, and theory of decision theory including:
- (5) the maximin principle, leximin principle, minimax principle, decisions under risk and uncertainty, decision theoretic paradoxes, and so on
- (6) the basics concepts, tools, and theories of game theory, including:
- (7) strong and weak dominance, pure and mixed strategies, Nash equilibria, solution strategies for zero sum, non-zero sum, cooperative, coordinated, simultaneous, and iterated games, backward and forward induction, and other important concepts in the field.

Required readings:

Peterson, Martin. Introduction to Decision Theory
Spaniel, William. Game Theory 101

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

The extent to which students have met the expected learning outcome goals will be measured by their performance on:

- 1) Homework assignments (ELOs 1-7).
- 2) Quizzes (ELOs 1-7)
- 3) Tests (ELOs 1-7)
- 4) Midterm and final exams (ELOs 1-7)
- 5) Journal assignments (ELOs 1-7)

For whom is this course being developed?

Majors in the Dept
Minors in the Dept

Is this course required in a degree program (major, minor, graduate degree, certificate?)

No

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Economics

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals**Undergraduate Learning Goals:**

Competence in the disciplines
Knowledge of human cultures and the physical and natural world
Integrative learning
Personal and social responsibility
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Reviewer Comments:

Emily Potts (emily.potts) (Wed, 15 Sep 2021 18:57:29 GMT): Dear Professor , The committee would like to clarify that this course deactivation will remove this course number from the catalog. If you would like to use this course number in the future, you will need to submit a new course proposal. Although this course is not part of your degree requirements, you may also be asked in subsequent subcommittees how removing this course will affect your ability to offer an adequate number of electives for your degree programs. Additionally, be sure to consult with any departments that may be affected by the removal of this course. Sincerely, Emily Potts

Key: 13624