**PURDUE UNIVERSITY**
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

**DEPARTMENT** Philosophy

**EFFECTIVE SESSION** Spring 2011

**INSTRUCTIONS:** Please check the items below which describe the purpose of this request.

1. New course with supporting documents
2. Add existing course offered at another campus
3. Expiration of a course
4. Change in course number
5. Change in course title
6. Change in course credit/Type
7. Change in course attributes (department head signature only)
8. Change in instructional hours
9. Change in course description
10. Change in course requirements/restrictions
11. Change in semesters offered (department head signature only)
12. Transfer from one department to another

**PROPOSED:**

- **Subject Abbreviation:** PHIL
- **Course Number:** 45100
- **Long Title:** The Gödel Theorems: Their Logic and Applications
- **Short Title:** Gödel Theorems

**EXISTING:**

- **Subject Abbreviation:**
- **Course Number:**
- **Long Title:**
- **Short Title:**

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs.
2. Variable Credit Range: Minimum Cr. Hrs. (Check One)
3. Equivalent Credit: Yes

**CREDIT TYPE**

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<th>ScheduleType</th>
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<th>Meetings Per Week</th>
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**COURSE ATTRIBUTES:** Check All That Apply

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Special Fees
6. Registration Approval Type
   - Department
   - Instructor
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

**TERMS OFFERED**

- Summer
- Fall
- Spring

**CAMPUS(ES) INVOLVED**

- Calumet
- Cont Ed
- Ft. Wayne
- Tech Statewide
- Indianapolis
- N. Central
- W. Lafayette

**COURSE DESCRIPTION:**

Introduction to Primitive-Recursive Arithmetic as a framework to prove Gödel's two incompleteness theorems followed by a critical discussion of their philosophical significance. P: PHIL-15000 and PHIL-25200, or consent by Instructor

**COURSE OUTCOMES:**

Students acquire a basic understanding of Primitive-Recursive Arithmetic, its scope and limits; learn how to prove claims using the language and rules of a formalized first-order language; hone their ability to think critically and to scrutinize carefully complex and subtle arguments in a transdisciplinary setting.

**SIGNED:***

- Department Head
- Dean
- Assistant Dean
- Vice Chancellor for Academic Affairs
- Registrar

**OFFICE OF THE REGISTRAR**