PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A GRADUATE COURSE (500-600 LEVEL)

DEPARTMENT: ECE
EFFECTIVE SESSION: Fall 2008

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

[ ] 1. New course with supporting documents (complete proposal form)
[ ] 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/label
[ ] 7. Change in course attributes
[ ] 8. Change in instructional hours
[ ] 9. Change in course description
[ ] 10. Change in course requisites
[ ] 11. Change in semesters offered
[ ] 12. Transfer from one department to another

PROPOSED: Existing: TERMS OFFERED

Subject Abbreviation: ECE Subject Abbreviation: ECE
Course Number: Course Number: 671
Long Title: Expert Systems And Software Architecture For Symbolic Reasoning
Short Title: Expst Sys Sftwr Arch

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CAMPUS(ES) INVOLVED:
- Calumet
- Ft. Wayne
- Indianapolis
- N. Central
- Tech Statewide
- W. Lafayette

CREDIT TYPE
1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Or Maximum Cr. Hrs.
3. Equivalent Credit: Yes No X
4. Thesis Credit: Yes No X

INSTRUCTIONAL TYPE
Lecture Hours Per Mtg 50
Citation
Lab Prep
Distance
Clinic
Experiential
Research
Ind. Study
Pract/Observ

Meeting Per Week 3

WEeks Offered 16

% of Credit Allocated 100

DELIVERY METHOD
(Asyn. Or Syn.)

DELIVERY MEDIUM
(Audio, Internet, Live, Text-Based, Video)

COURSE ATTRIBUTES: Check All That Apply

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Designator Required
6. Special Fees

7. Registration Approval Type [ ] Department [X] Instructor
8. Variable Title
9. Remedial
10. Honors
11. Full Time Privilege
12. Off Campus Experience

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

There are essentially three parts to the course. The first part, dealing with software architectures for symbolic reasoning, concentrates mainly on production systems and blackboards. Students are taught about Rete Networks used in production systems and about high-level object-oriented programming for designing blackboards. The second part of the course deals mainly with the different calculi of uncertainty, the emphasis being on the Bayesian Belief Networks. The first two parts of the course are brought together in the third part where students are taught how to embed the different calculi of uncertainty in symbolic reasoning architectures.

Calumet Department Head Date
Calumet School Dean Date

Fort Wayne Department Head Date
Fort Wayne School Dean Date

Indianapolis Department Head Date
Indianapolis School Dean Date

North Central Department Head [ ] May 2008
North Central Chancellor Date

West Lafayette Department Head Date
West Lafayette College/School Dean Date

Graduate Area Committee Convener Date
Graduate Dean Date

Calumet Undergraduate Curriculum Committee Date

Graduate Council Secretary Date

OFFICE OF THE REGISTRAR

Print Form
**PURDUE UNIVERSITY**

**REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A GRADUATE COURSE**

**(500-600 LEVEL)**

**DEPARTMENT: ECE**

**EFFECTIVE SESSION: Fall 2008**

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

- [ ] New course with supporting documents (complete proposal form)
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- [ ] 4. Change in course number
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- [ ] 6. Change in course credit/type
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- [ ] 11. Change in semesters offered
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**PROPOSED:**

- **Subject Abbreviation:** ECE
- **Course Number:** 671
- **Long Title:** Expert Systems And Software Architecture For Symbolic Reasoning
- **Short Title:** Expt Sys & Sftw Arch

**EXISTING:**

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

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

**TERMS OFFERED:**

- [X] Fall
- [ ] Summer
- [ ] Spring

**CAMPUS(ES) INVOLVED:**

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

**CREDIT TYPE**

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<th>Type</th>
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**COURSE ATTRIBUTES:**

- 1. Pass/Not Pass Only
- 2. Satisfactory/Unsatisfactory Only
- 3. Repeatable
- 4. Credit by Examination
- 5. Designator Required
- 6. Special Fees
- 7. Registration Approval Type
- 8. Variable Title
- 9. Remedial
- 10. Honors
- 11. Full Time Privilege
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**COURSE DESCRIPTION (INCLUDE REQUISITES):**

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**Calumet Department Head**

**Date**

**Calumet School Dean**

**Date**

**Calumet Undergrad Curriculum Committee**

**Date**

**Fort Wayne Department Head**

**Date**

**Fort Wayne School Dean**

**Date**

**Fort Wayne Chancellor**

**Date**

**Indianapolis Department Head**

**Date**

**Indianapolis School Dean**

**Date**

**Undergrad Curriculum Committee**

**Date**

**North Central Department Head**

**Date**

**North Central Chancellor**

**Date**

**Date Approved by Graduate Council**

**Date**

**West Lafayette Department Head**

**Date**

**West Lafayette College/School Dean**

**Date**

**Graduate Council Secretary**

**Date**

**West Lafayette Registrar**

**Date**

**OFFICE OF THE REGISTRAR**
TO: The Faculty of the College of Engineering  
FROM: The Faculty of the School of Electrical and Computer Engineering  
RE: Deletion of ECE 671.

The faculty of the School of Electrical and Computer Engineering has approved the deletion of the following course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**ECE 671**  
**Expert Systems And Software Architecture For Symbolic Reasoning**  
Sem.1. Class 3, cr. 3. (Offered in alternate years.)  
Prerequisite: **ECE 570**. Authorized equivalent courses or consent of instructor may be used in satisfying course pre- and co-requisites.

There are essentially three parts to the course. The first part, dealing with software architectures for symbolic reasoning, concentrates mainly on production systems and blackboards. Students are taught about Rete Networks used in production systems and about high-level object-oriented programming for designing blackboards. The second part of the course deals mainly with the different calculi of uncertainty, the emphasis being on the Bayesian Belief Networks. The first two parts of the course are brought together in the third part where students are taught how to embed the different calculi of uncertainty in symbolic reasoning architectures

**Reason:** Course has not been taught for an extended period of time. Course content has been deleted from the curriculum.

Mark Smith, Head  
School of Electrical & Computer Engineering

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APPROVED FOR THE FACULTY OF THE SCHOOLS OF ENGINEERING BY THE ENGINEERING CURRICULUM COMMITTEE

ECC Minutes  
Date  
Chairman ECE