

PURDUE UNIVERSITY

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

Print Form

Office of the Registrar  
FORM 40G REV. 9/06

807

DEPARTMENT ECE

EFFECTIVE SESSION Fall 2008

~~200930~~ 201010

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

- |                                     |  |                          |   |
|-------------------------------------|--|--------------------------|---|
| <input type="checkbox"/>            | 1. New course with supporting documents (complete proposal form) | <input type="checkbox"/> | 7. Change in course attributes              |
| <input type="checkbox"/>            | 2. Add existing course offered at another campus                 | <input type="checkbox"/> | 8. Change in instructional hours            |
| <input checked="" type="checkbox"/> | 3. Expiration of a course  | <input type="checkbox"/> | 9. Change in course description             |
| <input type="checkbox"/>            | 4. Change in course number                                       | <input type="checkbox"/> | 10. Change in course requisites             |
| <input type="checkbox"/>            | 5. Change in course title  | <input type="checkbox"/> | 11. Change in semesters offered             |
| <input type="checkbox"/>            | 6. Change in course credit/type                                  | <input type="checkbox"/> | 12. Transfer from one department to another |

<b>PROPOSED:</b>	<b>EXISTING:</b>
Subject Abbreviation <u>ECE</u>	Subject Abbreviation <u>ECE</u>
Course Number _____	Course Number <u>671</u>
Long Title <u>Expert Systems And Software Architecture For Symbolic Reasoning</u>	
Short Title <u>Exprt Sys &amp; Sftwr Arch</u>	

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

**TERMS OFFERED**  
Check All That Apply:

Summer  Fall  Spring

**CAMPUS(ES) INVOLVED**

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

<b>CREDIT TYPE</b>	<b>COURSE ATTRIBUTES: Check All That Apply</b>
1. Fixed Credit: Cr. Hrs. <u>3</u>	1. Pass/Not Pass Only <input type="checkbox"/>
2. Variable Credit Range: _____	2. Satisfactory/Unsatisfactory Only <input type="checkbox"/>
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>	3. Repeatable <input type="checkbox"/>
Maximum Cr. Hrs. _____	Maximum Repeatable Credit: <input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Credit by Examination <input type="checkbox"/>
4. Thesis Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Designator Required <input type="checkbox"/>
	6. Special Fees <input type="checkbox"/>
	7. Registration Approval Type Department <input checked="" type="checkbox"/> Instructor <input type="checkbox"/>
	8. Variable Title <input type="checkbox"/>
	9. Remedial <input type="checkbox"/>
	10. Honors <input type="checkbox"/>
	11. Full Time Privilege <input type="checkbox"/>
	12. Off Campus Experience <input type="checkbox"/>

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)	Cross-Listed Courses
Lecture	50	3	16	100			
Recitation							
Presentation							
Laboratory							
Lab Prep							
Studio							
Distance							
Clinic							
Experiential							
Research							
Ind. Study							
Pract/Observ							

**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 calculii 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 calculii of uncertainty in symbolic reasoning architectures.

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 _____	<u>R.A. Cipra</u> 10/6/08 Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____	Date Approved by Graduate Council _____
<u>Michael R. Mullen</u> 6/25/08 West Lafayette Department Head _____ Date _____	<u>Michael Y. Thi</u> 7/31/08 West Lafayette College/School Dean _____ Date _____	<u>Marilyn D. Hunt</u> 3/2/09 Graduate Council Secretary _____ Date _____
Graduate Area Committee Convener _____ Date _____	<u>Phillip E. Pope</u> 3/2/09 Graduate Dean _____ Date _____	<u>Sandra Schaffer</u> West Lafayette Registrar _____ Date _____

OFFICE OF THE REGISTRAR

dt 3-13-09



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EFFECTIVE SESSION Fall 2008

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| <input type="checkbox"/>            | 6. Change in course credit/type                                  | <input type="checkbox"/> | 12. Transfer from one department to another |

PROPOSED:

EXISTING:

TERMS OFFERED

Check All That Apply:

Subject Abbreviation ECE

Subject Abbreviation ECE

Summer  Fall  Spring

Course Number \_\_\_\_\_

Course Number 671

CAMPUS(ES) INVOLVED

Long Title Expert Systems And Software Architecture For Symbolic Reasoning

Short Title Exprt Sys & Sftwr Arch

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Calumet      | <input type="checkbox"/> N. Central              |
| <input type="checkbox"/> Cont Ed      | <input type="checkbox"/> Tech Statewide          |
| <input type="checkbox"/> Ft. Wayne    | <input checked="" type="checkbox"/> W. Lafayette |
| <input type="checkbox"/> Indianapolis |  |

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

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply

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
4. Thesis Credit: Yes  No

- |                          |   |                          |   |
|--------------------------|---|--------------------------|---|
| <input type="checkbox"/> | 1. Pass/Not Pass Only                             | <input type="checkbox"/> | 7. Registration Approval Type<br>Department <input checked="" type="checkbox"/> Instructor <input type="checkbox"/> |
| <input type="checkbox"/> | 2. Satisfactory/Unsatisfactory Only               | <input type="checkbox"/> | 8. Variable Title   |
| <input type="checkbox"/> | 3. Repeatable<br>Maximum Repeatable Credit: _____ | <input type="checkbox"/> | 9. Remedial   |
| <input type="checkbox"/> | 4. Credit by Examination                          | <input type="checkbox"/> | 10. Honors  |
| <input type="checkbox"/> | 5. Designator Required                            | <input type="checkbox"/> | 11. Full Time Privilege   |
| <input type="checkbox"/> | 6. Special Fees                                   | <input type="checkbox"/> | 12. Off Campus Experience   |

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
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Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

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COURSE DESCRIPTION (INCLUDE REQUISITES):

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Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	<i>R.J. Cipra</i> 10/6/08 Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____	Date Approved by Graduate Council _____
<i>Michael R. Mullen</i> 6/26/08 West Lafayette Department Head _____ Date _____	<i>Michael K. Thi</i> 7/31/08 West Lafayette College/School Dean _____ Date _____	Graduate Council Secretary _____ Date _____
Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar _____ Date _____



**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 calculii 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 calculii 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

APPROVED FOR THE FACULTY  
OF THE SCHOOLS OF ENGINEERING  
BY THE ENGINEERING  
CURRICULUM COMMITTEE  
ECC Minutes #25  
Date 5/9/08  
Chairman ECC Michael J. Altough

