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

55-06

DEPARTMENT: ECE   EFFECTIVE SESSION: Spr08

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

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

PROPOSED:
Subject Abbreviation:
Course Number:
Long Title: STATE ESTIMATION AND PARAMETER IDENTIFICATION OF STOCHASTIC SYSTEMS
Short Title: PARAM IDENT STOCH SYST
Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

EXISTING:
Subject Abbreviation: ECE
Course Number: 589

TERMS OFFERED
Check All That Apply:
☐ Summer   ☑ Fall   ☐ Spring

CAMPUS(ES) INVOLVED
☐ Calumet   ☐ N. Central
☐ Cont Ed   ☐ Tech Statewide
☐ Ft. Wayne   ☑ W. Lafayette
☐ Indianapolis

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

COURSE ATTRIBUTES: Check All That Apply

1. Pass/Not Pass Only	☐	7. Registration Approval Type	
2. Satisfactory/Unsatisfactory Only	☐	Department ☐ Instructor ☐	
3. Repeatable	☐	8. Variable Title	☐
Maximum Repeatable Credit:	☐	9. Remedial	☐
4. Credit by Examination	☐	10. Honors	☐
5. Designator Required	☐	11. Full Time Privilege	☐
6. Special Fees	☐	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)	Cross-Listed Courses
Lecture							
Recitation							
Presentation							
Laboratory							
Lab Prep							
Studio							
Distance							
Clinic							
Experiential							
Research							
Ind. Study							
Pract/Observ							

COURSE DESCRIPTION (INCLUDE REQUISITES):

Calumet Department Head _____ Date	Calumet School Dean _____ Date	Calumet Undergrad Curriculm Committee _____ Date
Fort Wayne Department Head _____ Date	Fort Wayne School Dean _____ Date	Fort Wayne Chancellor _Michael J. Foltorek_ 2/20/08 Date
Indianapolis Department Head _____ Date	Indianapolis School Dean _____ Date	Undergrad Curriculm Committee _____ Date
North Central Department Head _____ Date	North Central Chancellor _____ 2/2 Date	Date Approved by Graduate Council _____
West Lafayette Department Head _signature_ 2/5/08 Date	West Lafayette College/School Dean _signature_ Date	Graduate Council Secretary _____ Date
Graduate Area Committee Convener _____ Date	Graduate Dean _____ 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 589

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 589   **State Estimation and Parameter Identification of Stochastic Systems**
Sem. 1. Class 3, cr. 3. (Offered in alternate years.)
Prerequisite: ECE 302. Authorized equivalent courses or consent of instructor may be used in satisfying course pre- and co-requisites or equivalent

Introduction to point estimation, least squares, Bayes risk, and maximum likelihood. Optimum mean-square recursive estimation for non-dynamic stochastic systems. State estimation for discrete-time and continuous-time dynamic systems. Parameter identification of stochastic systems using maximum likelihood. Stochastic approximation, least squares, and random search algorithms.

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

Mark J.T. Smith, Head
School of Electrical & Computer Engineering

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

ECC Minutes _#10_

Date _12-3-07_

Chairman ECC _____