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FACULTY SENATE  
CURRICULUM COMMITTEE

Approval Form

Department Political Science/Economics

Title Econometrics

Sponsor(s) Dr. Aronfreed, Dr. Hamer Dr. Mukhoti  
Prof. Hitchner, Dr. Kressler No. of Credits 3

COURSE 2204.480 CONCENTRATION \_\_\_\_\_

Approved by the department Graduate

Not recommended by the department Undergraduate

Information copies forwarded: Academic Dean; Chairman; Curriculum Committee

Signature: Department Chairman

DIVISION

Consultation on proposal has been held

Comments: - Please include statement about method of evaluating students.

Acad. Dean - 3/2/76  
Signature: Academic Dean and/or Divisional Committee

CURRICULUM COMMITTEE

Proposal received

Open Hearing held

Returned to the department for the following reason(s):

Approved by the Curriculum Committee

Presented to Executive Committee of the Faculty Senate as information

Notifications forwarded: Vice President for Academic Affairs

Signature: Chairman, Curriculum Committee

25-76-41

ACADEMIC DEAN

I have reviewed the final documents as approved and concur with same.  
Budget, faculty and library resources are adequate for immediate implementation.

I have reviewed the final documents as approved and concur with same.  
Budget, faculty and/or library allocations for the current academic year  
are inadequate for immediate implementation or implementation in the next  
fiscal year. The earliest that the proposal might be implemented would be

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HEGIS Taxonomy Number: \_\_\_\_\_

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Signature: Academic Dean

Copies forwarded: Chairman, Curriculum Committee; Department Chairman;  
Provost; Registrar

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REGISTRAR

Approved course description received

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Signature: Registrar

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PROVOST

Official copy and approval sheet filed

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Signature: Provost (or designee)

- Note:
- 1) Course proposal format is attached
  - 2) A copy of this approval form should accompany each proposal
  - 3) A copy of a proposed catalogue description of the course must accompany the proposal as a separate page.

GLASSBORO STATE COLLEGE  
GLASSBORO, NEW JERSEY  
NOVEMBER, 1975

COURSE PROPOSAL

I. Identification

- A. Title of the course: Econometrics
- B. Department: Political Science/Economics
- C. Sponsors: Dr. Eva Aronfreed, Chairperson

The Committee on the Economics Major Program

II. Essence

- A. Graduate or undergraduate course: undergraduate
- B. Semester Hours Credit: 3
- C. Course Level: 400, suggested Hegis number 2204.480
- D. Prerequisites: 2204.301, 2204.302, 2204.282, and 2204.380,  
or instructor's permission.
- E. Position of the course in the current and planned departmental  
curricular structure: For the economics major, it is a specialized  
elective, but for the college community it is a free elective.
- F. Suggested time and scale of implementation: The course will be  
offered for the first time in the fall of 1978 with an expected  
enrollment of 15 students.

III. Other Details

- A. Adequacy of the present staff: The present staff is adequate.
- B. Library facilities and needs: Library holdings are adequate.
- C. Space and data processing needs: The course requires a con-  
ventional classroom. The course also requires computer time.  
The statistical programs presently available through our computer  
terminal are adequate.

- D. Distinguishing characteristics of the course: This is the only economics course dealing with the techniques for statistically estimating the parameters of mathematical economic models.
- E. Major goal of the course: To provide students with fundamental abilities regarding statistical estimation in economics and interpretation of these statistical estimates.

#### IV. Topical Outline

1. The linear normal regression model
2. Introduction to the theory of econometrics
3. Errors in variables
4. Autocorrelation
5. Single - equation problems
6. Simultaneous - equation problems
7. Case studies in estimation of mathematical economic models
8. Student projects involving the estimation of mathematical economic models

#### V. Rationale

It is very important that the serious student in economics, especially an economics major, develop the abilities to statistically estimate mathematical economic models and to interpret estimates of such models.

#### VI. Results of Consultations

Dr. John Sooy, Chairperson of the Department of Mathematics, was consulted on November 17, 1975. He expressed his support for the course.

VII. Catalogue Description

Combines mathematical model building based on economic theory with statistical methodology for estimating the parameters of mathematical economic models.

VIII. Method of Student Evaluation

Evaluation of student performance will be made on the basis of in-class examination and/or projects/term papers.