

CURRICULUM PROPOSAL FORM 1999-2000

**NON-GENERAL EDUCATION PROCESS A**

**\*DEADLINES:** Deadline dates for 1999/2000 submissions: Regular proposals: October 22, 1999 to be implemented in Fall 2000; Short-Term proposals: December 10, 1999 to be implemented in Fall, 2000; Regular proposals February 18, 2000 to be implemented in Spring, 2001; March 24, 2000 for short-term courses to be implemented in Spring 2001.

4901.505

**PROPOSAL TITLE:** Workshop in Math/Science

**SPONSOR(S):** Dr. Eric Milou

**DEPARTMENT:** Mathematics

**COLLEGE:** Liberal Arts and Sciences

**IF LAS CHECK ONE:**  History/Humanities  Math/Sciences  Social/Behavioral Sciences

**Check one:**  Undergraduate  Graduate

THE ATTACHED *NON-GEN-ED* PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED.

New non-gen-ed course

Short-term non-gen-ed course

Minor curricular changes (fewer than three) to:

existing non-gen-ed course

non-gen-ed degree requirements

major

minor, specialization, concentration, track, certificate program

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FEB 17 2000

**DEPARTMENT**  
(Signature indicates approval)

*Erny Shovity, Ph.D.* 2/8/00

Dept. Curriculum Chair / Date

*Ronald J. Grotz* 2/8/00

Dept. Chairperson / Date

**ACADEMIC DEAN**

Approved  Not Approved  Comments:

Dean's Signature/Date *Jay Hauer* 2-14-02

*M. Kelling*

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FEB 17 2000  
ROWAN UNIVERSITY SECRETARY

**COLLEGE CURRICULUM COMMITTEE**

Date of open hearing (if necessary) 5/2/00 Approved X Not Approved \_\_\_\_\_

Comments:

Signature of College Chair/Date: [Signature]

**UNIVERSITY CURRICULUM COMMITTEE**

Date Received/Processed 5/23/00

Comments:

Curriculum Chair Signature [Signature]

Date Announced At Senate 5/23/00

**EXECUTIVE VICE PRESIDENT/PROVOST**

Approved  Not Approved \_\_\_\_\_ If no, reasons are as follows:

Student Credit Hours \_\_\_\_\_ Faculty Load Hours \_\_\_\_\_ Equalized Credit Hours \_\_\_\_\_

Official Copy & Approval Sheet Filed (Date): \_\_\_\_\_ Executive VP/Provost Signature/Date [Signature] 5/2/00

**REGISTRAR**

Date Approved Course Description Received 5/25/00 Hegis Taxonomy & Course Number Assigned \_\_\_\_\_

Registrar Signature/Date Robert A. Kulat 5/25/00

**NOTIFICATION FORWARD**

\_\_\_\_\_ Senate Curriculum Committee Chairperson \_\_\_\_\_ Academic Dean(s)  
\_\_\_\_\_ Department Chairpersons \_\_\_\_\_ Registrar \_\_\_\_\_ Sponsor(s)

Rowan University  
Department of Mathematics

Minor Curricular Change

Changing Credit hours of 4901.505 Workshop in Mathematics and Science

1. Details:

A. Change requested:

Credit Hours: From: 3 To: Variable 1-6

B. Sponsor: Dr. Eric Milou, Mathematics Department

2. Rationale:

A. Need: Since the New Jersey Department of Education has mandated that all teachers receive 100 hours of professional development, the need for Rowan University to offer graduate level courses is increasing. This change to a variable level course allows the flexibility for us to offer this course at various opportunities. One such occurrence is the Texas Instruments College Short Course grant that provides hands-on experience with graphing calculator technology for teachers. This course will be offered during the summer of 2000 with teachers enrolling for 2 graduate credits.

B. Curricular Effect: None

3. Results of Consultation

A. Consultation was held with Dr. Janet Caldwell. Dr. Caldwell in her role as the director of the NJ SSI (State Systemic Initiative) created this course. See attached letter of support.

Catalog Description

4901.505 Variable 1-6 S.H.

Workshop in Mathematics and Science

Students in this course will be involved in hands-on workshops designed to address individual interests and needs with respect to both content and pedagogy. In addition, students will study the identification and selection of appropriate instructional materials for teaching mathematics and science. Also included in the course is planning, implementing, and evaluating field trips in science and mathematics.



*Mathematics Department*

February 8, 2000

Curriculum Committee  
Rowan University

Dear Colleagues:

As Project Director for the New Jersey Statewide Systemic Initiative since 1993, I presently administer the course 4901.505 Workshop in Mathematics and Science. This is currently a three-credit graduate course which is offered sporadically as part of our NJ SSI grant activities. The content of the course has varied somewhat from one offering to the next, depending upon the interests and needs of the participants. It is extremely desirable that this be a variable credit course, with one to six credits available to participants. I therefore strongly support the proposed minor curriculum revision.

Sincerely,

Janet H. Caldwell, Ph.D.  
Professor, Mathematics