

PROCESS A NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #02-03- 817 ✓

Deadlines:

Regular proposals: October 18, 2002 to be implemented Fall 2003; Short-Term proposals: December 6, 2002 to be implemented Fall 2003
Regular proposals: February 14, 2003 to be implemented Spring 2004; March 21, 2003 short-term courses to be implemented Spring 2004

PROPOSAL TITLE: NURS 307 EPIDEMIOLOGY IN NURSING PRACTICE

| | | |
|-----------------------------|-------------------------------|------------------|
| Sponsor(s): <u>P. MOSTO</u> | E-Mail: <u>MOSTO@RWAN.EDU</u> | Ext: <u>4834</u> |
| <u>G. HECHT</u> | E-Mail: <u>HECHT@</u> | Ext: <u>3577</u> |
| <u>E. BROOKS</u> | E-Mail: <u>BROOKSE@</u> | Ext: <u>3589</u> |
| <u>R. MEAGHER</u> | E-Mail: <u>MEAGHER@</u> | Ext: <u>3570</u> |

DEPARTMENT: BIOLOGY

COLLEGE: LAS

If Liberal Arts & Sciences CHECK : History/Humanities Math/Sciences Social/Behavioral Sciences

UNDERGRADUATE GRADUATE

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

| | |
|--|---|
| <input checked="" type="checkbox"/> New non-gen-ed course | <input type="checkbox"/> Non-gen-ed degree requirements |
| <input type="checkbox"/> Short-term non-gen-ed course | <input type="checkbox"/> Major |
| <input type="checkbox"/> Minor curricular changes (fewer than three) | <input type="checkbox"/> Minor, specialization, concentration, track, certificate program |
| <input type="checkbox"/> Existing non-gen-ed course | |

The following signatures REPRESENT APPROVAL

Department Chair: [Signature] Date: 3/21/03

Department Curriculum Chair: [Signature] Date: 3/21/03

Academic Dean: [Signature] Date: 2-25-03

College Curriculum Chair: [Signature] Date: 4-22-03

College Curriculum Committee OPEN HEARING Date: 4-21-03 Approved Not Approved

UNIVERSITY CURRICULUM COMMITTEE

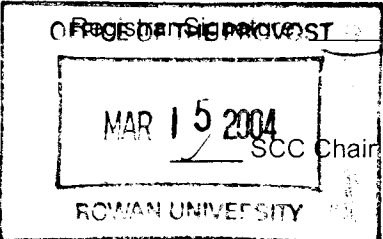
Senate Curriculum Chair Signature: [Signature] Date: Senate Announcement/Vote: 9-22-2003

Comments: See proposal SCC# 02-03-817

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 2/17/04

Approved ~ Not Approved due to the following: Student Cr Hrs Faculty Load Hrs Equalized Cr Hrs

Date: 3/11/04 REGISTRAR Course Description Received & Approved ~ Hegis Taxonomy & Course #: 1203307



NOTIFICATION FORWARD

Academic Dean Department Chair Registrar Sponsor(s)

1 New Course Proposal:
2 **EPIDEMIOLOGY IN NURSING PRACTICE**

3
4 **I. DETAILS.**

5
6 **a. Course Title:** Epidemiology in Nursing Practice

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8 **b. Sponsors:** Gregory B. Hecht, Elizabeth Brooks, Richard Meagher (Dept.
9 Biological Sciences)

10 Co-sponsor: UMDNJ (University of Medicine & Dentistry of New Jersey)

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12
13 **c. Credit Hours:** 2.0

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15 **d. Course level:** Junior (300 level). This course has previously been designated
16 "NURS 307" at NJIT (see "Rationale" below); if possible, a HEGIS number
17 containing the "307" number is preferred.

18
19 **e. Pre-requisites:** enrollment in the UMDNJ/Rowan Joint R.N. to B.S.N. Program
20 (see accompanying "Bachelor of Science in Nursing" proposal)

21
22 **f. Suggested Time & Scale of Implementation:** Initial offering to begin Fall 2004.
23 Course will be offered once every year during the Fall semester. The course will
24 have one 2 hour session each week.
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26 II. CURRICULAR EFFECT

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28 The proposed course will be an elective for students enrolled in the UMDNJ/Rowan R.N.
29 to B.S.N. Joint Program.

30

31 **Offerings:** This course will be taught by faculty from UMDNJ rather than Rowan
32 University's Biological Sciences faculty. Thus, implementation of this proposal is
33 not expected to require any existing courses to be dropped or to be offered less
34 frequently.

35

36 **Adequacy of the present staff, resources, space needs, etc.:** This course will be
37 taught by faculty from UMDNJ rather than Rowan University's Biological
38 Sciences faculty. Thus, implementation of this course will not place a demand on
39 the teaching load of Rowan University's Biological Sciences Department. The
40 new science building -- scheduled to open during Summer 2003 -- offers ample
41 classroom space for this course.

42

43 **Recommended Library Resources:** All students enrolled in the UMDNJ/Rowan
44 Joint R.N. to B.S.N. Program will have access via the web or in person to the
45 UMDNJ library. Students in the current UMDNJ/NJIT joint program almost
46 exclusively use the UMDNJ library resources for this course and seldom use the
47 NJIT library. Thus, it is expected that this course will similarly not create a
48 demand for library resources on the Rowan University campus.

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51 III. RATIONALE

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53 This Epidemiology course (NURS 307) is being transferred to Rowan University
54 from an existing BSN curriculum offered at NJIT.

55 The study of epidemiology is vital to the field of medicine. The ability to
56 understand the onset, progression and transmission of diseases is central to the registered
57 nurse.

58 This course offers instruction of the many aspects of epidemiology. Students are
59 instructed in both individual disease states as well as population-based risk factors.

60 Students will therefore be able to medically manage the single patient as well as, group
61 needs as seen in managed care facilities. This course also offers instruction in infection
62 control and health and policy planning.

63 It is therefore important that all nursing students be required to take this course in
64 Epidemiology prior to completion of their BSN degree.

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66

67 **IV. ESSENCE OF THE COURSE**

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69 **a. Objectives of the course in relation to student outcomes.** Upon completion of this
70 course, the student will be able to:

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72 1. Discuss epidemiology as a source of data in the development of nursing
73 interventions towards disease prevention and health promotion.

74

75 2. Correlate descriptive and analytical epidemiological data in the identification of a
76 population at risk.

77

78 3. Identify the social, spiritual, ethical and legal issues which may impact on
79 providing population-based care.

80

81 4. Utilize print and electronic media in developing a plan of care for a specific
82 population.

83

84 5. Evaluate the outcome and experience of utilizing an epidemiological approach to
85 nursing care.

86

87 **b. Topical Outline/Content.**

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89 1. Epidemiology as a basis for practice

90 2. Descriptive Epidemiology

91 3. Analytical Epidemiology

92 4. Presentation of Study Population & Methodology

93 5. Epidemiology of Infectious Processes

94 6. Epidemiology of Non-Infectious Processes

95 7. Surveillance & Screening

96 8. Epidemiology in a Nurse-Managed Center

97 9. Epidemiology in Community Health Nursing

98 10. Epidemiology in Infection Control Practice

99 11. Epidemiology in Occupational and Environmental

100 12. Epidemiology in Health Planning and Policy

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102 Methods of instruction for this course when it was offered at NJIT have included lectures,
103 seminars, small group discussion, audiovisual materials, computer-assisted instruction,
104 assigned readings, independent learning activities, and analyses of professional research.

105

106 *Example texts suitable for this course:*

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108 American Psychological Association (1995). Publication manual of the American
109 Psychological Association (4th ed.) Washington, DC. Author.

110

111 Harkness, G. (1995). Epidemiology In Nursing Practice. St. Louis: Mosby.

112

113 *Example readings suitable for this course:*

114

115 Flaskerud, J. H., & Winslow, B. J. (1998). Conceptualizing vulnerable populations
116 health-related research. Nursing Research, 47(2), 69-78.

117

118 Fowler, M. G., Melnick, S. L., & Mathieson, B. J. (1997). Women and HIV:
119 Epidemiology and global overview. Obstetrics and Gynecology Clinics of North
120 America, 24, 705-729.

121

122 Vartarian, S. & Smith, C. B. (1993). Pathogenesis, host resistance, and predisposing
123 factors. In G. P. Bodey (Ed.), Candidiasis (2nd ed., pp. 59-84). New York, Raven
124 Press.

125

126 **c. Evaluation of students and grading procedure.** During the time that this course was
127 taught at NJIT, students were evaluated by the following kinds of activities: research
128 article critique; genogram assignment; major term paper (includes individually graded
129 checkpoints: statement of study population and chosen methodology; draft proposal;
130 final paper; presentation of the paper to the class).

131

132 **d. Course Evaluation:** During the time that this course was taught at NJIT, the UMDNJ
133 faculty routinely conducted assessment of the success of this course. The Biological
134 Sciences Department routinely reviews each of its course offerings to assess their
135 success in meeting stated goals and objectives. The Biological Sciences Department,
136 in collaboration with UMDNJ, will expand its review process to include this course.

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139 **V. RESULTS OF CONSULTATIONS**

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141 Results of Consultations

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143 Planned consultations:

144 Dept. Special Education

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146

147 **CATALOG DESCRIPTION**

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149 **XxxxHEGISxxxx**

2.0 s.h.

150 *(Pre-requisites: enrollment in the UMDNJ/Rowan Joint R.N. to B.S.N. Program)*

151 In this course, the professional nursing student is introduced to a population-based
152 approach to health care. Students will incorporate information on the etiology and
153 predictors of events in order to design health promotion and disease prevention strategies.

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