

PROCESS A NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #02-03-

772 [Ⓢ]

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

*explanat emp. 9/22/05
SPR*

PROPOSAL TITLE: Research Methods II

Sponsor(s): Dr. Joe Davey _____ E-Mail: joedavey@aol.com _____ Ext: 3662 _____
Dr. Allan Jiao _____ E-Mail: jiao@rowan.edu _____ Ext: 3725 _____
Dr. Cynthia Line _____ E-Mail: line@rowan.edu _____ Ext: 3722 _____
_____ E-Mail: _____ Ext: _____

DEPARTMENT: Law & Justice Studies

COLLEGE: Arts & Sciences

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.

- New non-gen-ed course
- Short-term non-gen-ed course
- Minor curricular changes (fewer than three)
- Existing non-gen-ed course
- Non-gen-ed degree requirements
- Major
- Minor, specialization, concentration, track, certificate program

The following signatures REPRESENT APPROVAL

Department Chair: *Allan Jiao* Date: 9/20/02
 Department Curriculum Chair: *John L...* Date: 9/24/02
 Academic Dean: *Joe H...* Date: 10/8/02
 College Curriculum Chair: *Mary R. Young* Date: 9-12-02
 College Curriculum Committee OPEN HEARING Date: 12-9-2002 Approved Not Approved

UNIVERSITY CURRICULUM COMMITTEE

Senate Curriculum Chair Signature: *Philip C. ...* Date: Senate Announcement/Vote: 6-20-2003
Comments: _____

EXECUTIVE VICE PRESIDENT/PROVOST Signature: *Helen ...* Date: 9/16/03

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

REGISTRAR

Date: 9/22/03 Course Description Received & Approved ~ Hegis Taxonomy & Course #: 2105512

OFFICE OF THE PROVOST
 Registrar Signature: _____
 SEP 24 2003
 from Registrar
 ROWAN UNIVERSITY

NOTIFICATION FORWARD

Academic Dean Department Chair Registrar Sponsor(s)
CAP & JR

9-25-03 TM

Course Proposal

1. Details

- a. Course Title: Research Methods II
- b. Sponsors: Drs. Joe Davey, Allan Jiao, Cynthia Line
- c. Credit Hours: 3 s.h.
- d. Course Level: Graduate
- e. Curricular Effect: No effect on Undergraduate Curriculum. No effect on Graduate programs in other departments/colleges. Courses will be offered as required courses for graduate students in new Master's Degrees Program in Criminal Justice.
- f. Prerequisites: Admission to the program. Students who did not have a statistics course at the undergraduate level will be advised to complete such a course before embarking on graduate statistics. Completion of Research Methods I is required prior to enrolling in this course.
- g. Suggested time and scale of implementation: Course would be initially offered the second semester of the program's initial year (estimated to be Spring 2005) and would be offered once a year.
- h. Staffing and resources: Current faculty and new faculty positions for the new Master's Degree Program in Criminal Justice. Adequate computer facilities and software is necessary.
- i. Library Impact: Departmental library budget will cover purchases.
- j. Short-term Evaluations: None

2. Rationale:

- a. As an academic discipline, criminal justice involves a great deal of scientific research in both the academic and applied realms. Graduates of a Master's degree program may be conducting research in job settings (working for the state, doing research and design, and so on) or may be furthering their graduate careers in Ph.D. programs. Both avenues necessitate a solid understanding of statistics and the ability to conduct statistical analyses. Furthermore, both academics and those in the applied setting spend time reading research reports and articles which require critical thinking skills and the ability to understand statistics and to

critique statistics and data when necessary. A graduate statistics course is a standard course in a Master's program in criminal justice.

- b. Students at the undergraduate level do not have the statistical knowledge sufficient for hypothesis testing, academic article reading, graduate research, or joint research with professors. Students at the graduate level require a more advanced statistical knowledge base than that traditionally offered to undergraduates.
 - c. Master's degree students will be required to complete a thesis in order to satisfy degree requirements. It is incumbent upon us to provide our students with the skills necessary to succeed.
 - d. Professors may engage students in independent or on-going research projects. Students are best able to participate if they understand the means by which research in the field is done.
3. Essence of Course This is the second course in a two course sequence.

a. Objectives

- 1. To understand various statistics and statistical techniques used in criminal justice.
- 2. To understand the advantages and disadvantages of different statistics, including the appropriateness for hypothesis testing, different data (including data measured at different levels and data from different data sources), and audience.
- 3. To be able to conduct research utilizing the appropriate statistic given a particular question and/or set of data.
- 4. To be able to critically assess research studies in the field.
- 5. To be able to conduct research for a Master's Thesis.

b. Illustrative Topical Outline

a. Introduction to graduate statistics

- 1. Review scientific method
- 2. Review causation
- 3. Review data, data collection, and data coding
- 4. Review undergraduate level statistics
 - a. descriptive statistics
 - b. proportions and probability (normal curve)
 - c. Chi-square
 - d. ANOVA

b. Probability in hypothesis testing (including appropriate notation and write-up)

- c. Contingency Analysis
- d. Correlations
 - 1. Bivariate
 - 2. Partial
 - 3. Write up and table creation
- e. Basic linear regression
 - 1. Variables
 - 2. Hypotheses
 - 3. Write up and table creation
- f. Factor Analysis
 - 1. Variables
 - 2. Hypotheses
 - 3. Use in Regression
 - 4. Write up and table creation
- g. Multiple Regression
 - 1. Variables
 - 2. Hypotheses
 - 3. Write up and table creation
- h. MANOVA
 - 1. Variables
 - 2. Hypotheses
 - 3. Write up and table creation
- i. Introduction to logistic regression and log-linear analysis
- j. Dealing with data problems
- k. Possible Texts:

Allison, Paul D. 1998. *Multiple Regression. A Primer*. A part of the *Pine Forge Press Series in Research Methods and Statistics*. Thousand Oaks, Ca: Pine Forge Press.

Bourque, Linda B. and Virginia A Clark. 1992. *Processing Data The Survey Example. Volume 85 in Quantitative Applications in the Social Sciences Series*.

Berry, William D. and Stanley Feldman. 1985. *Multiple Regression in Practice. Volume 50 in Quantitative Applications in the Social Sciences Series*. Thousand Oaks, CA: Sage.

Fox, John. 1997. *Applied Regression Analysis, Linear Models, and Related Methods*. Thousand Oaks, CA: Sage.

c. Course Processes and Pedagogy

The course will be largely a hands-on/seminar course, with some materials directly presented by the professor. Students will participate regularly in a seminar style. Students will also take part in research projects throughout the semester. Students will utilize computers to aid in the learning of the statistics.

a. Evaluation and Grading of Students:

Students will be required to submit projects on hypothesis testing using a variety of statistical methods. Students will be required to demonstrate proficiency in statistics and the appropriate computer application/s. Students will be required to discuss hypotheses and statistical findings in class. Other activities may also be included per each professor.

b. Course Evaluation:

The course will be evaluated using the Student Information Reports (SIRs) currently used in the department.

702

Course Title: Research Methods II

Course Description: This course will enable students to understand various statistics and statistical techniques used in criminal justice, to understand the advantages and disadvantages of different statistics, to be able to conduct research utilizing the appropriate statistic given a particular question and/or set of data, to be able to critically assess research studies in the field, and to be able to conduct research for a Master's Thesis.

Course Pre Requisites: Admission to the program. Students who did not have a statistics course at the undergraduate level will be advised to complete such a course before embarking on graduate statistics. Completion of Research Methods I is required prior to enrolling in this course.

HEGIS #: To be assigned.

The purpose of this form is to provide a common procedure for faculty, staff, and students designing new courses/programs. The information will be used to assess the resources available in the library, and to identify resources the library should acquire to support the course/program. The information will also provide rationale for institutional support for library acquisitions.

This form should be completed in a coordinated effort between the course sponsor(s) and the academic department liaison librarian.

- The sponsor(s) complete parts A & D. If assistance is required to complete parts A & D, please notify the liaison librarian.
- Forward this form to the librarian who will complete parts B, C, & E.

This form must be completed and attached to the original curriculum proposal before being approved by the Senate Curriculum Committee

A. College UNH Department Law & Justice
 Proposed by: C. Line Date: 5-2-03
 Course Title: Research Methods II
 Anticipated Date for Course/Program Offering: Fall 2004

B. Describe the resources available in the library to support this course/program, including reference, monographic, electronic databases, audio-visual materials, etc. A summary statement is sufficient.

C. List key periodicals available in the library to support this course/program.

D. List specific resources that should be acquired to support this course.

Current reference materials

E. Librarian comments and recommendations

Rowan University
LIBRARY RESOURCES
To
SUPPORT A NEW COURSE or NEW PROGRAM PROPOSAL

College: LAS

Dept.: Law & Justice

Proposed by: Dr. Cynthia Line

Date: May 7, 2003

Course Titles: Research Methods I & II
Contemporary Developments in Theory
Law and Society
Criminal Justice Policy Analysis
Contemporary Issues in Criminal Justice

Anticipated Date for Course/Program Offering: Fall 2004 (Master's Program)

Part B: Resources available in Campbell Library

Campbell Library has a core collection of monographs in the following Library of Congress subject categories (number of titles held indicated in parentheses):
Administration of Criminal Justice (91); Capital Punishment (29); Courts (5); Crime (32);
Criminals (10); Criminology (71); Criminal Investigation (52); Criminal Justice (91);
Criminal Law (25); Criminal Procedure (4); Corrections (41); Correctional Psychology;
Forensic Sciences (10); Forensic Psychology (45); Imprisonment (8); Juvenile
Delinquency (109); Justice (59); Law (25); Law Enforcement (24); Punishment (38);
Prisons (34); Police (67).

The library subscribes to a university press approval plan and receives all new monographs in law and justice studies, crime, criminology, law (other than legal textbooks and practitioner's tools), the social sciences, and psychology.

Part C: List key periodical resources

Campbell Library is fortunate to have extensive access to online serials databases in a large number of disciplines, including Academic Search Premier (Ebsco Publishing), Criminal Justice Abstracts, Lexis-Nexis, and Elsevier's SciDirect database. Academic Search Premier provides almost 2,000 periodicals, many full-text, covering a broad spectrum of academic disciplines, including law and justice. Elsevier provides access to over 1,300 full-text journals, including several that cover forensic sciences, pathology, medicine, criminology, psychology, and the social sciences.

In addition, the library also subscribes to ABI-Inform, a major business database, the Applied Science and Technology database and the General Science Full-Text database.

The Library subscribes to 37 print journals under the HEGIS area "Law and Justice." For periodicals not available in the library or through our online database services, an interlibrary loan and document service is available for faculty and students.

Part D: List resources that should be acquire

The Law and Justice Department is recommending one additional print title: "Police Practice and Research." The library will acquire this periodical.

Proquest - UMI provides a specialized database of approximately 150 journals in criminal studies, to which we do not currently subscribe. Comparing the coverage of this database with Academic Search Premier, to which we do subscribe, reveals that Premier provides an overlap of approximately 35 percent. Proquest – UMI does provide a number of important periodicals, however, that are not covered in Premier. We therefore would recommend either purchase of the Proquest database or subscribing to the individual titles in paper.

Part E: Librarian remarks

Based on the strength of our online database services and the adequacy of our print holdings, the library supports this proposal. It should be noted, however, that additional resources will be needed to strengthen monographic holdings and for the possible purchase of the Proquest – UMI database.

(Remarks prepared by Gregory Potter, Associate Dean of the Library.)

Rowan University
LIBRARY RESOURCES
To
SUPPORT A NEW COURSE or NEW PROGRAM PROPOSAL

College: LAS

Dept.: Law & Justice

Proposed by: Dr. Cynthia Line

Date: May 7, 2003

Course Titles: Research Methods I & II
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Law and Society
Criminal Justice Policy Analysis
Contemporary Issues in Criminal Justice

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