THE UNIVERSITY OF MARYLAND, COLLEGE PARK
PROGRAM/CURRICULUM PROPOSAL

DIRECTIONS: Provide one form with original approval signatures in lines 1 - 4 for each proposed action. Keep this form to one-page in length. Forms and appropriate attachments should be submitted to the Office of Academic Affairs, who will assign a Log Number to each proposal. Additional copies may be required at a later time.

DATE SUBMITTED __12/9/2003__

FCC LOG NO. __0 3 0 3 2__

COLLEGE/SCHOOL __College of Education__

DEPARTMENT/PROGRAM __Measurement, Statistics, and Evaluation__

PROPOSED ACTION (A separate form for each) ADD ___X___ DELETE ______ CHANGE ______

DESCRIPTION (Provide a succinct account of the proposed action. Additional detail may be provided in an attachment. Provide old and new sample programs for curriculum changes.)

Establish a Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation

This certificate program is designed to cover the basic material in EDMS (24 credit hours are required) and to prepare students from other departments to be serious consumers in our field, while continuing to work in their own discipline.

JUSTIFICATION/REASONS/RESOURCES (Explain the reason for the proposed action. Identify the source of new resources that may be required. Attach additional material if needed.)

See attached.

The proposed program would use existing courses only. No new resources would be required.

APPROVAL SIGNATURES

1. Department Committee Chair ____________ _______________________________ 2/4/04
   ________________
2. Department Chair _______________ _______________________________ 2/14/04
   ________________
3. College/School PCC Chair ________________ _______________________________ 3/19/04
   ________________
4. Dean ________________ _______________________________ 8/19/04
   ________________
5. Dean of the Graduate School (if required) ________________ _______________________________ 9/9/04
   ________________
6. Chair, Senate PCC ________________ _______________________________ 3/11/04
   ________________
7. Chair of Senate ________________ _______________________________ 4/1/04
   ________________
8. Vice President for Academic Affairs & Provost ________________ _______________________________ 4/19/04
   ________________

VPAAP Rev. 2/2/98
MEMORANDUM

TO: Edna M. Szymanski  
Dean, College of Education

FROM: Victor Korenman  
Associate Provost for Academic Planning and Programs


On April 4, 2004, President Mote approved your proposal to offer a Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation. On April 12, 2004, the Maryland Higher Education Commission administratively added the Certificate to our program inventory. The certificate is effective beginning immediately. Enclosed are copies of all the relevant documents, the approved program, and the signed cover sheet.

The College of Education should ensure that this certificate program is appropriately reflected in all university documentation.

Enclosures

Cc: Dr. Sylvester J. Gates, Chair, Senate PCC  
Dr. Mary Giles, University Senate  
Ms. Barbara Hope, Data Administration  
Ms. Trudy Lindsey, Graduate Studies  
Ms. Anne Turkos, Archives  
Dr. Donna Wiseman, College of Education  
Dr. Linda Yokoi, Records & Registrations
April 12, 2004

Dr. Victor Korenman
Associate Provost for Academic Planning
and Academic Affairs
University of Maryland, College Park
1119 Main Administration Building
College Park, MD 20742-5031

Dear Dr. Korenman:

The Maryland Higher Education Commission has reviewed a request received from University of Maryland, College Park to offer a Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation as a part of an existing degree program. I am pleased to inform you that the program has been administratively approved. This decision was based on an analysis of the request in conjunction with the Maryland Higher Education Commission's Policies and Procedures for Academic Program Proposals and the Maryland State Plan for Postsecondary Education.

For purposes of providing enrollment and degree data to the Commission, please use a HEGIS code of 0824-00 and a CIP code of 13.0603 for the Measurement, Statistics, and Evaluation certificate program. Should the program require any substantial changes in the future, please keep the Commission apprised. I wish you continued success.

Sincerely,

Calvin W. Burnett
Acting Secretary of Higher Education

cc: Dr. Irvin L. Goldstein, USM
Dr. Gertrude Eaton, USM
April 7, 2004

Memorandum

TO: Irwin L. Goldstein,
    Vice Chancellor for Academic Affairs
    University System of Maryland

    Michael Kiphart
    Acting Assistant Secretary for Planning and Academic Affairs
    Maryland Higher Education Commission

FROM: Victor Korenman
      Associate Provost for Academic Planning and Programs

SUBJECT: New Post Baccalaureate Certificate

The College of Education has proposed to offer a new Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation, based on a 24 credit curriculum consisting entirely of courses already part of the corresponding master’s degree program. This proposal has been recommended for approval by all the relevant academic and administrative committees. The College Park Senate has added its approval at its meeting of April 1, 2004, and President Mote has concurred. In accord with the procedures in place for new certificate programs in this category, I am informing you that we plan to begin offering the program immediately, and will be reporting its activity under HEGIS 0824.00 and CIP 13.0603.

This certificate program will be open to students at the University who are already enrolled in other graduate programs and will serve as a supplement to their disciplinary training. The curriculum includes the courses EDMS 645, 646, 651, 623, 771 and three additional EDMS courses chosen in consultation with an advisor.

Please don’t hesitate to contact me if there are any questions.

VK:vk

CC: C. D. Mote, Jr., President
    William W. Destler, Senior Vice President for Academic Affairs and Provost
    Edna M. Szymanski, Dean, College of Education
    Joel Cohen, Chair, University Senate
MEMORANDUM

April 2, 2004

To: C.D. Mote, Jr.
President

From: Joel Cohen
Chair of the University Senate

Subject: Action Taken at the University Senate Meeting – April 1, 2004

The University Senate took the following actions at its meeting on April 1, 2004:

1. Approved Proposal to Add Librarian Titles to the University’s Appointment, Promotion, and Tenure Policy, Senate Document Number 99-00-54


Separate transmittal letters for these items follows this formal notification.

JCMG/am

Enclosures

cc: William Destler, Senior Vice President for Academic Affairs & Provost
Victor Korenman, Associate Provost, Academic Planning and Programs
Andrea Levy, Associate Vice President for Academic Affairs
William McLean, Associate Vice President for Budget and Personnel
Ann Wylie, President’s Chief of Staff
MEMORANDUM

April 2, 2004

To: C.D. Mote, Jr., President

From: Joel Cohen, Chair of the University Senate

Subject: Proposal to Establish a new Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation, Senate Document Number 03-04-31

I am pleased to forward for your consideration the attached report entitled, "Proposal to Establish a new Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation." The proposal was presented by Victor Korenman, on behalf of the Chair of the Programs, Curricula, and Courses Committee, Sylvester Gates, Jr. The University Senate approved the proposal at its April 1, 2004 meeting.

We appreciate your consideration of the proposal and request that you inform the Senate Office of your decision as well as any subsequent action related to your conclusion.

Enclosure: Senate Document 03-04-31

JC/MG/am

cc: William Destler, Senior Vice President for Academic Affairs & Provost
Sylvester Gates, Jr., Chair, Programs, Curricula and Courses Committee
Victor Korenman, Associate Provost, Academic Planning and Programs
Dennis O’Connor, Vice President and Dean of Graduate Studies
Edna Szymanski, Dean, College of Education
Donna Wiseman, Associate Dean, College of Education

Approved: C.D. Mote, Jr. President

Date: 4-5-04
PROPOSAL FOR A

CERTIFICATE

IN

MEASUREMENT, STATISTICS AND EVALUATION

(EDMS)

UNIVERSITY OF MARYLAND

THE EDMS DEPARTMENT IS HOUSED WITHIN THE
COLLEGE OF EDUCATION, DEAN EDNA SZYMANSKI PRESIDING

KIND OF DEGREE: POST BACCALAUREATE CERTIFICATE

Proposed initiation Date: AS SOON AS APPROVED

I. OVERVIEW and RATIONALE

A. Nature and Purpose:

The program is designed to provide advanced training in quantitative methods for students enrolled in other graduate programs. The post baccalaureate certificate specification requires a minimum of 24 graduate credit hours from EDMS. In addition, an advisor must be selected from members of the EDMS department.

The 15 credit hour core comprises EDMS 645, 646, 651, 623 and 771. The remaining 9 credit hours are determined in collaboration with the student's advisors. The additional courses supplement the core courses and the specific research interest of the student. Supplemental courses can comprise any EDMS offerings with the exception of EDMS 410 and 451. Students must complete each course in the certificate with a grade of B or better. In the event that a lower grade is obtained in a given course, then the course in question must be repeated until this grade requirement is achieved.

We get requests fairly often from students outside EDMS who want to obtain a suitable background in our field, but remain in their current degree program. They know that our material is critical to their success in many job placements and that it is very helpful in obtaining employment. We want to meet the needs of students from these other departments in a way that provides a very credible background. This certificate will guarantee a reasonable background, while providing some flexibility for the student. EDMS has always been considered a useful resource by the larger campus community, which has requested such service on numerous occasions. Providing this certificate simply codifies something we have been doing informally for many years. We like the synergy this has provided in the past and the certificate, we believe, will even add to the existing momentum. The demand for high quality research and evaluation in the recent Federal Legislation called No Child Left Behind is just one indicator of how important
our field is to the success of those interested in contributing to the field of education. Our skills are also critical to many other fields represented on campus and it is common for us to have students enrolled from Criminology, Communication, Psychology, and Business, to pick just a few examples. We believe that this certificate will add value to these and other departments whose students recognize that a certificate in our area will in our academic discipline.

B. Size and competition with others:

We think that we will be adding value to other units and not working at cross-purposes to any. We do not believe that we will draw any students away from others. We expect a relatively small number of students to avail themselves of this opportunity, with, perhaps, 5 new students per year starting on the certificate.

II. CURRICULUM

A. Description of certificate:

Please refer above for a listing of the courses. We are requiring the same core courses that our current students take and then are providing an opportunity to tailor the remaining certificate courses, with the help of their disciplinary advisor, to better meet their needs.

B. List the courses (number, title, semester credit hours):

EDMS 645, 646, 651, 623, and 771 are all three-credit courses. The remaining 9 credits will be selected from our regular offerings, as indicated above. We are not planning to develop any new courses for this certificate.

C. Describe any selective admissions policy or special criteria for students selecting this field of study:

We anticipate admitting any University of Maryland graduate student in good standing who wishes to enroll in this certificate program, and as long as they meet the above stated requirements, they will be able to receive the certificate. We do not believe that it will be necessary to exercise any selection process. These courses are offered on a regular basis and, except for the advisor’s time, will not add a burden to the department. If the situation changes we could decide to admit students on a space available basis only.

III. FACULTY AND ORGANIZATION

A. Who will provide academic direction and oversight for the program:

Any tenure track faculty member in the Department of Measurement, Statistics, and Evaluation may serve as an advisor. The certificate will function under the guidance and assurance of the department Chairperson.
VI. COMMITMENT TO DIVERSITY

EDMS has won a campus-wide award for its diversity and this program will continue to operate as the department has always operated. Good students do well and those with problems are counseled and helped as best we can. If our efforts are not successful, such students will not obtain the certificate. We will continue to be open to any and all students with the ability and interest to pursue and succeed in their course work.

VII. REQUIRED NEW RESOURCES

Not applicable. This certificate can be offered within existing resources.
EDMS Graduate Course Descriptions; Required Certificate Courses

EDMS 645 Quantitative Research Methods I (3 credits)
Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

EDMS 646 Quantitative Research Methods II (3 credits)
Prerequisite: EDMS 645.
A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

EDMS 651 Applied Multiple Regression Analysis (3 credits)
Prerequisite: EDMS 646 or equivalent.
Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

EDMS 623 Applied Measurement: Issues and Practices (3 credits)
Prerequisite: EDMS 651 or permission of department.
Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

EDMS 771 Multivariate Data Analysis (3 credits)
Prerequisite: EDMS 651.
Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.
Letters From CMPS Dean’s Office and from the Director of the Statistics Program

Subject: Re: proposed Certificate in Measurement, Statistics and Evaluation from Ed College (fwd)
Date: Fri, 19 Mar 2004 06:10:40 -0500
From: Scott Wolpert <saw@math.umd.edu>
To: "Joel M. Cohen" <jmc@math.umd.edu>
CC: Mary Giles <mgiles@deans.umd.edu>, Victor Korenman <vkor@umd.edu>, "Patrick M. Fitzpatrick" <pmf@math.umd.edu>

Joel and Victor,
As designee for CMPS on PCC and VPAC matters, I have reviewed the Certificate and find that there is no conflict for CMPS with the creation of the program.
Scott W

Date: Thu, 18 Mar 2004 18:13:58 -0500 (EST)
From: Benjamin Kedem <bnk@math.umd.edu>
To: saw@math.umd.edu
Cc: jmc@math.umd.edu, pmf@math.umd.edu, bnk@math.umd.edu
Subject: Re: proposed Certificate in Measurement, Statistics and Evaluation from Ed College

RE: Post Baccalaureate Certificate in Measurement, Statistics, and Evaluation

Dear Scott:

The main points of the EDMS Certificate proposal are as follows.

1. To formalize what is taking place already, whereby some students from different departments take EDMS courses to supplement their main field of study such as criminology.

2. The certificate requires a minimum of 24 EDMS graduate credits.

3. The demand for the certificate is not expected to be high, perhaps 5 new additional students per year.

4. The certificate can be offered using existing EDMS resources.

Given that EDMS emphasizes measurement and evaluation of educational programs such as the impact of the federal "No Child Left Behind" program, I do not see a conflict with the Mathematical Statistics Program mission.

Regards,

Benjamin Kedem
Stat Director