Nikou, Roshan

From: Graduate.Council.Web.Site@www.uky.edu
Sent: Tuesday, December 02, 2008 9:59 PM
To: Nikou, Roshan
Cc: Price, Cleo
Subject: Investigator Report

AnyForm User: www.uky.edu
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Client Address: 75.90.150.105

College/Department/Unit: = STA 693
Category:_ = New
Date_for_Council_Review: = 12/4/08
Recommendation_is:_ = Approve
Investigator: = Bill Smith
E-mail_Address = bsmith@engr.uky.edu
1__Modifications: = None
2__Considerations: = N/A
3__Contacts: = Kurt Viele, Statistics.
4__Additional_Information: = This course is part of the change requested for the MS in Statistics. It is intended to give the students practice handling actual data.

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APPLICATION FOR NEW COURSE

1. Submitted by the College of Arts and Sciences Date: 9/3/2008

   Department/Division proposing course: Statistics

2. Proposed designation and Bulletin description of this course:

   a. Prefix and Number STA 693

   b. Title* Biostatistical Practicum

   *If title is longer than 24 characters, offer a sensible title of 24 characters or less: _____

   c. Courses must be described by at least one of the categories below. Include number of actual contact hours per week..

   (___) CLINICAL (___) COLLOQUIUM (___) DISCUSSION (___) LABORATORY (___) LECTURE
   (___) INDEPEND. STUDY (___) PRACTICUM (___) RECITATION (___) RESEARCH (___) RESIDENCY
   (___) SEMINAR (___) STUDIO (1-2) OTHER – Please explain: Variable 1-2 units consulting practice

   d. Please choose a grading system: ☒ Letter (A, B, C, etc.) ☐ Pass/Fail

   e. Number of credit hours: 1-2

   f. Is this course repeatable? YES ☒ NO ☐ If YES, maximum number of credit hours: 3

   g. Course description:

   This course will involve students in small consulting projects intended to illustrate practical biostatistical problems.

   h. Prerequisite(s), if any:

   STA 603

   i. Will this course also be offered through Distance Learning? YES ☐ NO ☒

   If YES, please check one of the methods below that reflects how the majority of the course content will be delivered:

   Internet/Web-based ☐ Interactive video ☐ Extended campus ☐

3. Supplementary teaching component: ☒ N/A or ☐ Community-Based Experience ☐ Service Learning ☐ Both

4. To be cross-listed as: _____ (Prefix and Number) _____ / (printed name / Cross-listing Department Chair signature)

5. Requested effective date (term/year): Fall / 2009

6. Course to be offered (please check all that apply): ☒ Fall ☒ Spring ☐ Summer

APPLICATION FOR NEW COURSE

7. Will the course be offered every year? ☐ YES ☐ NO

If NO, please explain: _____

8. Why is this course needed?

Course is part of changes to the M.S. in Statistics. Students need practical experience in handling actual data.

9. a. By whom will the course be taught? Any faculty member in statistics

b. Are facilities for teaching the course now available? ☒ YES ☐ NO

If NO, what plans have been made for providing them?

10. What yearly enrollment may be reasonably anticipated?

5-15

11. a. Will this course serve students primarily within the department? ☒ Yes ☐ No

b. Will it be of interest to a significant number of students outside the department? ☐ YES ☒ NO

If YES, please explain.

12. Will the course serve as a University Studies Program course†? ☐ YES ☒ NO

If YES, under what Area? _____

†AS OF SPRING 2007, THERE IS A MORATORIUM ON APPROVAL OF NEW COURSES FOR USP.

13. Check the category most applicable to this course:

☒ traditional – offered in corresponding departments at universities elsewhere

☐ relatively new – now being widely established

☐ not yet to be found in many (or any) other universities

14. Is this course applicable to the requirements for at least one degree or certificate at UK? ☒ Yes ☐ No

15. Is this course part of a proposed new program? ☐ YES ☒ NO

If YES, please name: _____

16. Will adding this course change the degree requirements for ANY program on campus? ☒ YES ☐ NO

If YES‡, list below the programs that will require this course:

This course is part of the revised M.S. program in Statistics.

‡In order to change the program(s), a program change form(s) must also be submitted.

17. ☒ The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.

APPLICATION FOR NEW COURSE

18. ☐ Check box if course is 400G or 500. If the course is 400G- or 500-level, *you must include a syllabus showing differentiation* for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See *SR 3.1.4)*

19. Within the department, who should be contacted for further information about the proposed new course?

Name: Kert Viele Phone: 257-4803 Email: viele@uky.edu

20. Signatures to report approvals:

2/6/2008	Arnold J. Stromberg	/	
DATE of Approval by Department Faculty	printed name	Reported by Department Chair	signature
11/7/08	Leonidas G. Bachas		
DATE of Approval by College Faculty	printed name	Reported by College Dean	signature
		/	
* DATE of Approval by Undergraduate Council	printed name	Reported by Undergraduate Council Chair	signature
12/08/08			
* DATE of Approval by Graduate Council	printed name	Reported by Graduate Council Chair	signature
		/	
* DATE of Approval by Health Care Colleges Council (HCCC)	printed name	Reported by Health Care Colleges Council Chair	signature
* DATE of Approval by Senate Council		Reported by Office of the Senate Council	
* DATE of Approval by University Senate		Reported by Office of the Senate Council	

*If applicable, as provided by the *University Senate Rules.* (http://www.uky.edu/USC/New/RulesandRegulationsMain.htm)

STA693

Biostatistics Practicum

Learning Objectives

Instructor : To be taught by any member of the graduate faculty in Statistics

Overview : This course involves students participating in small consulting projects as are available at the time of taking the course. The central objectives are for students to effectively communicate with the investigator, identify the proper analysis for the data and/or the proper experimental design, and then perform that analysis. Emphasis will be placed on effective/professional communication of the results to the investigator.

Format : Practicum, variable 1-2 credits per semester, repeatable up to three units.

Prerequisite : STA603

Grading : Students will be graded on a combination of the statistical quality of their analysis combined with the effectively of their presentation of the results. Student will receive a numerical grade for each of several projects (the number of projects depends on the detail involved in the projects), which is then converted to a grade according to (90 or above = at least an A, 80 or above, at least a B, etc.)

Note : The statistics department is routinely asked for a large number of consulting projects of appropriate difficulty for this course. There should be no shortage of appropriate projects.