

1. General Information

1a. Submitted by the College of: BUSINESS AND ECONOMICS

Date Submitted: 11/25/2013

1b. Department/Division: B&E Graduate Center

1c. Contact Person

Name: Steven Skinner

Email: steve.skinner@uky.edu

Phone: 257-1543

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

1d. Requested Effective Date: Semester following approval

1e. Should this course be a UK Core Course? No

2. Designation and Description of Proposed Course

2a. Will this course also be offered through Distance Learning?: No

2b. Prefix and Number: EMBA 602

2c. Full Title: Business Models for Quantitative Analysis

2d. Transcript Title: Business Models Quantitative Analysis

2e. Cross-listing:

2f. Meeting Patterns

LECTURE: 2

2g. Grading System: Graduate School Grade Scale

2h. Number of credit hours: 2

2i. Is this course repeatable for additional credit? No

If Yes: Maximum number of credit hours:

If Yes: Will this course allow multiple registrations during the same semester?

2j. Course Description for Bulletin: This course introduces students to quantitative techniques commonly used to make effective business decisions. It introduces tools and techniques illustrating the application of the techniques for managerial decision making.

2k. Prerequisites, if any: Admission to the joint EMBA program.

2l. Supplementary Teaching Component:

3. Will this course taught off campus? Yes

If YES, enter the off campus address: Possibly at the University of Louisville

4. Frequency of Course Offering: Summer,

Will the course be offered every year?: Yes

If No, explain:

5. Are facilities and personnel necessary for the proposed new course available?: Yes

If No, explain:

6. What enrollment (per section per semester) may reasonably be expected?: 40

7. Anticipated Student Demand

Will this course serve students primarily within the degree program?: Yes

Will it be of interest to a significant number of students outside the degree pgm?: No

If Yes, explain: [var7InterestExplain]

8. Check the category most applicable to this course: Traditional – Offered in Corresponding Departments at Universities Elsewhere,

If No, explain:

9. Course Relationship to Program(s).

a. Is this course part of a proposed new program?: Yes

If YES, name the proposed new program: Joint Executive EMBA Program with the U. of Louisville

b. Will this course be a new requirement for ANY program?: No

If YES, list affected programs:

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500?: No

b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from 10.a above) are attached: Yes

Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1.How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2.How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3.How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4.Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5.How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6.How do course requirements ensure that students make appropriate use of learning resources?

7.Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8.How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)?

9.Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10.Does the syllabus contain all the required components? NO

11.I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

SIGNATURE|ZNNIKO0|Roshan N Nikou|EMBA 602 NEW Graduate Council Review|20140107

SIGNATURE|MKT210|Steven J Skinner|EMBA 602 NEW College Review|20131125

EMBA 602

Business Models for Quantitative Analysis

Professor:
Office:
Office Hours
Phone:
E-mail:

Course Description

This course introduces students to quantitative techniques commonly used to make effective business decisions. The objective of the course is to introduce tools and techniques and illustrate the application of these techniques for managerial decision making. The specific techniques covered range from basic statistics to multiple regression analysis. A strong emphasis will be placed on how to use these quantitative techniques to solve business problems. This will be accomplished through student analysis of real world data.

Required Text

There is no required text for the course. The required materials are split among several sources:

- PowerPoint slides and data files (posted on Blackboard).
- Readings available through the library (free):
 - Thomas H. Davenport & D.J. Patil (2012), “Data Scientist: The Sexiest Job of the 21st Century,” Harvard Business Review, October, 70-76.
 - Shvetank Shah, Andrew Horne, & Jamie Capella (2012), “Good Data Won’t Guarantee Good Decisions,” Harvard Business Review, April 23-25.

Learning Outcomes

Upon completion of the course the student should be able to:

- Describe the kinds and types of decisions that are supported through basic statistical analysis.
- Explain technical details of basic statistical analysis.
- Analyze business information using statistical software packages.
- Interpret the results of statistical analysis.

Grading Scale

A	90%-100%
B	80%-89.99%
C	70%-79.99%
E	<70%

Grading Scheme

Harvard score (individual)	20%
Homework (teams of 2 students)	20%
Attendance and participation	10%
Final exam	50%

Schedule

Week	Date	Activities	Work due
		Lectures and in-class exercises: Measures of central tendency; Probability theory; Discrete and continuous random variables	
		Lectures and in-class exercises: Sampling distributions; Confidence intervals; Hypotheses testing	
		Lectures and in-class exercises: Correlation; Simple linear regression; Multiple regression	
		Lectures and in-class exercises: Correlation; Simple linear regression; Multiple regression	<ul style="list-style-type: none">• On-line Harvard module scores due• In-class readings discussion• Team homework due
		Final exam	

Additional Work Details

Final exam

The exam is entirely essay-based (no multiple choice questions will be given).

Homework assignment

The homework assignment will be distributed through Blackboard. You are expected to work in teams of two. Please form your own teams

Attendance and participation

Attendance will be taken on a regular basis. Individual student participation and class contribution will be evaluated.

Blackboard

Blackboard will be used to communicate schedule changes, to post assignments and assignment due dates, and for keeping a rolling schedule.

Course Policies

Submission of Assignments

Explicit instructions will be given when each assignment is handed out.

Attendance Policy

Given the nature of this program, it is hard to imagine that anyone would ever miss class except for a very good reason.

Makeup Policy

Makeup quizzes and exams will only be given if there is an excused absence. If it is possible, you must notify me before the quiz/exam date.

Excused Absences

Students need to notify the professor of absences prior to class when possible. S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit “reasonable cause for nonattendance” by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy.

Verification of Absences

Students may be asked to verify their absences in order for them to be considered excused. Senate Rule 5.2.4.2 states that faculty have the right to request “appropriate verification” when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to university-related trips is required prior to the absence.

Academic Integrity

Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: <http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (available online <http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where

students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations Due to Disability

If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.