New Course Request

Indiana University

East Campus

Check Appropriate Boxes: Undergraduate credit [✓] Graduate credit [ ] Professional credit [ ]

1. School/Division: Business: Economics, Informatics
2. Academic Subject Code: Bus
3. Course Number: Bus K 320 (must be cleared with University Enrollment Services)
4. Instructor: Martha Jane Johnson
5. Course Title: Spreadsheet Modeling and VBA
   Recommended Abbreviation (Optional)
   (Limited to 32 Characters including spaces)
   Spring 2011

6. First time this course is to be offered (Semester/Year):

7. Credit Hours: Fixed at 3 or Variable from to

8. Is this course to be graded S/F (only)? Yes [✓] No

9. Is variable title approval being requested? Yes [✓] No

10. Course description (not to exceed 50 words) for Bulletin publication:
    The course has two main focuses. First of all, students will be introduced to Excel spreadsheet modeling techniques. Secondly, the students will be introduced to VBA (Visual Basic for Applications) in Excel.

11. Lecture Contact Hours: Fixed at 3 or Variable from to

12. Non-Lecture Contact Hours: Fixed at 0 or Variable from to

13. Estimated enrollment: 15 to 30 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: Once a year
   Will this course be required for majors? No

15. Justification for new course: See attached document

16. Are the necessary reading materials currently available in the appropriate library? Yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

Department Chairman/Division Director

Date 3/10

Approved by:

Dean

Date 3/10

Dean of Graduate School (when required)

Date

Chancellor/Vice-President

Date 10/10

University Enrollment Services

Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

UPS 724
University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow;
Department/Division—Pink; University Enrollment Services Advance—White
Addendum to BUS-K230 Spreadsheet Modeling and VBA New Course Request Form

15. Justification for new course

The course will provide students with Excel skills and applications that will be beneficial to their undergraduate studies and careers. In addition, students will gain programming experience in VBA.
IU EAST COURSE OUTLINE OF RECORD
(Submit with ECAP form)

Spreadsheet Modeling and VBA BUS K230

COURSE TITLE: Spreadsheet Modeling and VBA
COURSE NUMBER: BUS K230
CREDIT HOURS: 3
SCHOOL: Business and Economics, Informatics
PROGRAM: Bachelor of Science in Business Administration
Bachelor of Science in Informatics

COURSE CATALOG DESCRIPTION:

The course has two main focuses. First of all, students will be introduced to Excel spreadsheet modeling techniques. Secondly, the students will be introduced to VBA (Visual Basic for Applications) in Excel.

PREREQUISITES: CSCI A110 or INFO II01 or permission of instructor

ANTICIPATED CLASS FORMAT (Online, Classroom, Hybrid): Online and classroom

CONTACT TYPE (Lecture, Lab, Other): Lecture augmented with computer lab time.

TEXTBOOK(S) FOR FIRST OFFERING:

VBA for Modelers 3rd edition by S. Christian Albright

TOPICS TO BE ADDRESSED: (Narrative and/or bullet points)

- Introduction to Excel (printing, creating graphs, formulas, absolute and relative references, etc.)
- Developing practical applications in Excel (e.g. loan amortizations, budgets, payback analysis, checkbooks/savings, etc.)
- Introduction to Visual Basic for Applications (VBA)
IU EAST CAMPUS LEARNING OBJECTIVES:

Educated people should:

1. Be exposed to a broad variety of academic fields traditionally known as the Liberal Arts (humanities, fine arts, social sciences, natural sciences) in order to develop a critical appreciation of a diversity of ideas and creative expression.

2. Have achieved depth in some field of knowledge. A sequential accumulation of knowledge and skills in an academic discipline is essential for a focused personal and professional development.

3. Be able to express themselves clearly, completely, and accurately. Effective communication entails the successful sharing through a wide variety of techniques, including reading, writing, speaking, and technology.

4. Be able to relate computational skills to all fields so that they are able to think with numbers. At minimum students should be able to carry out basic arithmetical and algebraic functions; they should have a working concept of simple statistics; and they should be able to interpret and use data in various forms.

5. Have the ability to develop informed opinions, to comprehend, formulate, and critically evaluate ideas, and to identify problems and find solutions to those problems. Effective problem solving involves a variety of skills including research, analysis, interpretation, and creativity.

6. Develop the skills to understand, accept and relate to people of different backgrounds and beliefs. In a pluralistic world one should not be provincial or ignorant of other cultures; one's life is experienced within the context of other races, religions, languages, nationalities, and values systems.

7. Be expected to have some understanding of and experience in thinking about moral and ethical problems. A significant quality in educated persons is the ability to question and clarify personal and cultural values, and thus to be able to make discriminating moral and ethical choices.

LIST COURSE OBJECTIVES (with a notation indicating which Campus Learning Objective is met.)

The course will meet Campus Learning Objectives 2 and 5 mentioned above.

The following are the course objectives:

- Students will gain valuable Excel skills that will be beneficial to their undergraduate studies and careers.
- Students will learn how to set up budgets, develop loan amortizations, and other practical Excel applications.
- Students will learn how to program in Visual Basic using Excel.

DATE OF COURSE IMPLEMENTATION: Spring 2011