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| For Academic Affairs and Research Use Only |
| Proposal Number |  |
| CIP Code:  |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **[X]New Course, [ ]Experimental Course (1-time offering), or [ ]Modified Course (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| --- | --- |
| Kelly Fish 9/17/2020**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| James Doering 9/17/2020**Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (if applicable)**   |
| Melodie Philhours 9/24/2020**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 9/24/2020**Office of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| Melody Lo 9/24/2020**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (if applicable)**   |  |

1. **Contact Person (Name, Email Address, Phone Number)**

Henry Torres, Instructor [E-mail: htorres@astate.edu & Phone: 870-680-4238]

Arkansas State University

Neil Griffin College of Business

Department of Computer & Information Technology

State University, AR 72467-0130

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

**Fall 2021**

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)** *(Indicate “N/A” if no modification)* |
| **Prefix** |  | **CIT** |
| **Number\*** |  | **4663** |
| **Title** |  | **Enterprise Resource Planning** |
| **Description\*\*** |  | **An overview of Enterprise Resource Planning systems and their role within an organization. Introduces integrated information systems and explains why they are valuable to businesses. Also provides study of ERP business cases, Business Intelligence and analytics in the ERP context.** |

 ***\**** (Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

\*\*Forty words or fewer as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? Yes]**

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. Yes. Are there any prerequisites?
	1. If yes, which ones?

**CIT 3013 Management Information Systems or equivalent**

* 1. Why or why not?

Students will need fundamental understanding of MIS

1. No. Is this course restricted to a specific major?
	1. If yes, which major?
2. **Proposed course frequency [Modification requested? No]**

(Fall) *Not applicable to Graduate courses.*

1. **Proposed course type [Modification requested? No]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Lecture and lab

1. **Proposed grade type [Modification requested? No]**

Standard letter

1. **No.** Is this course dual-listed (undergraduate/graduate)?
2. **No.** Is this course cross-listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)*

**a.** – If yes, please list the prefix and course number of the cross-listed course.

 Enter text...

 **b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

 Enter text...

1. **No.** Is this course in support of a new program?

a. If yes, what program?

 Enter text...

1. **No.** Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

**Course Details**

1. **Proposed outline** **[Modification requested? No]**

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

  **Tentative Schedule of Lecture Topics:**

Week 1

***Enterprise:****An Overview:* Business Functions and Business Processes, importance of Information for ERP

Week 2

***Introduction to ERP:***Defining ERP, Origin and Need for an ERP System.

Week 3

***ERP and Related Technologies:***

Week 4

***ERP Implementation Life Cycle:***

Week 5
***ERP Modules Structure:***Finance, Sales and Distribution, Manufacturing and Production Planning

Week 6

***ERP – A Manufacturing Perspective:***Role ofEnterprise Resource Planning (ERP) in manufacturing.

Week 7

***ERP: A Purchasing Perspective:*** Role of ERP in Purchasing

Week 8

***ERP: Sales and Distribution Perspective:*** Role of ERP in Sales and Distribution

Week 9

***ERP: An Inventory Management Perspective:*** Role of ERP in Inventory Management

Week 10

***ERP: A CRM Perspective:***

Week 11

***ERP: A HR Perspective:***

Week 12

***ERP: A Finance Perspective:***

Week 13

***ERP Vendors, Consultants, and Employees:***

Week 14

***Different ERP Vendors***

Week 15

***Improving Performance****:* Utilizing Business Intelligence and Business Analytics in the ERP context.

1. **Proposed special features** **[Modification requested? No]**

(e.g. labs, exhibits, site visitations, etc.)

1. **Department staffing and classroom/lab resources**

Enter text...

1. Will this require additional faculty, supplies, etc.?

 No

1. No Does this course require course fees?

 *If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

 a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Students will engage in simple case studies, hands on use of a ERP in operation/simulation and hands on use of BI and analytics tools to gain an understanding of the underlying workings so they may communicate effectively with business managers and future employers.

 b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

 Students will develop and refine a business case with a clear rationale and justification for procuring and/or using an ERP system in a mid-size to large organization aimed toward the utilization, advancement, or leveraging the ERP to transform one or more aspects of the business.

c. Student population served.

Upper level students in College of Business interested in Enterprise Resource Planning. These would be majors in Computer & Information Technology and others as an elective.

d. Rationale for the level of the course (lower, upper, or graduate).

Upper level course because of prerequisite of CIT 3013 MIS

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. No. Do the proposed modifications result in a change to the assessment plan?

 *If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

PLO1 - Evaluate information systems and analyze data in order to recommend possible solutions.

PLO3 - Make decisions on how to allocate resources in order to reach organizational goals.

1. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #19)** | Evaluate information systems and analyze data in order to recommend possible solutions. |
| Assessment Measure | Direct – ISBA 4663, Enterprise Resource Planning: scoring rubrics on term projects, cases and examsIndirect – Survey results from Major Fields Exam |
| Assessment Timetable | Direct - Fall 2021 and Fall 2023Indirect – Fall 2021 and Spring 2023 |
| Who is responsible for assessing and reporting on the results? | Direct – Faculty teaching ISBA 4663Indirect – NGCOB Assessment of Learning Committee  |

 *(Repeat if this new course will support additional program-level outcomes)*

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| **Program-Level Outcome 3 (from question #19)** | Make decisions on how to allocate resources in order to reach organizational goals. |
| Assessment Measure | Direct – ISBA 4663, Enterprise Resource Planning: scoring rubrics on term projects, cases and examsIndirect – Survey results from Major Fields Exam  |
| Assessment Timetable | Direct - Fall 2021 and Fall 2023Indirect – Fall 2021 and Spring 2023 |
| Who is responsible for assessing and reporting on the results? | Direct – Faculty teaching ISBA 4663Indirect – NGCOB Assessment of Learning Committee |

 **Course-Level Outcomes**

1. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | The ability to describe and explain basic business functional areas and be able to explain how they are related. |
| Which learning activities are responsible for this outcome? | Assigned readings, lecture, lab assignments, and activities. |
| Assessment Measure  | Scores on graded computer lab assignments, homework, and exams. |

*(Repeat if needed for additional outcomes)*

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| **Outcome 2** | The ability to illustrate how fragmented information systems fail to support business decisions. |
| Which learning activities are responsible for this outcome? | Assigned readings, lecture, lab assignments, and activities. |
| Assessment Measure  | Scores on graded computer lab assignments, homework, and exams. |

*(Repeat if needed for additional outcomes)*

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| **Outcome 3** | The ability to illustrate and explain how integrated information systems can help a company prosper by providing business managers with accurate, consistent, and current data. |
| Which learning activities are responsible for this outcome? | Assigned readings, lecture, lab assignments, and activities. |
| Assessment Measure  | Scores on graded computer lab assignments, homework, and exams.  |

*(Repeat if needed for additional outcomes)*

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| **Outcome 4** | The ability to describe and explain how Enterprise Resource Planning (ERP) software is used to optimize business processes. |
| Which learning activities are responsible for this outcome? | Assigned readings, lecture, lab assignments, and activities. |
| Assessment Measure  | Scores on graded computer lab assignments, homework, and exams.  |

*(Repeat if needed for additional outcomes)*

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| **Outcome 5** | The ability to describe and explain the use of analytics and business intelligence applications in an integrated enterprise system environment – will gain hands on experience in lab work. |
| Which learning activities are responsible for this outcome? | Assigned readings, lecture, lab assignments, and activities. |
| Assessment Measure  | Scores on completed team project and team presentation.  |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  |

**CIT 4663 Enterprise Resource Planning** An overview of Enterprise Resource Planning systems and their role within an organization. Introduces integrated information systems and explains why they are valuable to businesses. Also provides study of ERP business cases, Business Intelligence and analytics in the ERP context. Pre/Co-requisite, CIT 3013. Fall

Also as shown in pp. 124 and 455 of the Comprehensive bulletin changes for NGCOB CIT curriculum revision file:

