2012-2013 LONG SIGNATURE SHEET

Proposal Number: BISOM 01-09-2015

Proposal Title: Establishment of a New Course "Enterprise Systems"

Originating Department: BISOM

TYPE OF PROPOSAL: UNDERGRADUATE_____   GRADUATE _X_   UNDERGRADUATE & GRADUATE____

(Separate proposals sent to UCCC and Grad Council)

DATE RECEIVED	DATE CONSIDERED	DATE FORWARDED	ACTION	SIGNATURES
12|10|14	1|9|2015	4|1|2015	Approved	DEPARTMENT CHAIR Dr. Antonis Stylianou
11|12|15	11|16|15	11|25|15	Approved	MBA Program Committee Dr. Linda Swayne
11|25|15	11|25|15	12|11|15	Approved	Belk College Graduate Council Monica S Johar Dr. Monica Johar
12|11|15	2|26|16	2|26|16	Approved	COLLEGE FACULTY CHAIR (if applicable) Rob Roy McGregor Dr. Rob Roy McGregor
2|26|16	2|26|16	2|29|16	Approved	COLLEGE DEAN Dr. Steven Ott
			Approved	GENERAL EDUCATION (if applicable; for General Education courses)
			Approved	UNDERGRADUATE COURSE & CURRICULUM COMMITTEE CHAIR (for undergraduate courses only)
3|2|16	4|5|16	5|4|16	Approved	GRADUATE COUNCIL CHAIR (for graduate courses only) Rob Roy McGregor
				FACULTY GOVERNANCE ASSISTANT (Faculty Council approval on Consent Calendar)
				FACULTY EXECUTIVE COMMITTEE (if decision is appealed)

2015.10.23

UNC CHARLOTTE

LONG FORM
COURSE AND CURRICULUM PROPOSAL

To: UNC Charlotte Graduate Council

From: Business Information Systems and Operations Management Department

Date:

Re: Establishment of a new cross-listed MBAD course "Enterprise Systems"

Proposal Number: BISOM 01-09-2015

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Originating Department: Business Information Systems & Operations Management

TYPE OF PROPOSAL: UNDERGRADUATE_____   GRADUATE__X___   UNDERGRADUATE & GRADUATE____

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I. HEADING AND PROPOSAL NUMBER

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

NEW GRADUATE COURSE PROPOSAL FROM THE BUSINESS INFORMATION

SYSTEMS & OPERATIONS MANAGEMENT DEPARTMENT

TITLE: Establishment of a new course "DSBA 6212 / MBAD 6212: Enterprise Systems"

II. CONTENT OF PROPOSAL

A. Proposal Summary

1. SUMMARY

   The Department of Business Information Systems and Operations Management proposes to add a new graduate elective course to be cross-listed as DSBA 6212 / MBAD 6212 for students in the Data Science and Business Analytics (DSBA) program, the MBA program, and other related graduate programs and certificates offered by the Belk College of Business and the College of Computing and Informatics.

B. Justification

1. Identify the need addressed by the proposal and explain how the proposed action meets the need.

   Enterprise systems collect, store, manage and interpret data many business activities, such as marketing and sales, accounting, human resources management, and manufacturing processes, and serves as the foundations for the data used in business analytics. As more and more organizations turn to business analytics, the ability to better manage and optimize the underlying enterprise systems becomes a critical skill. Currently, the students in our MBA program do not have any course that teaches them enterprise systems and how to manage such systems. As UNC Charlotte and the Belk College focus on a leadership role in Data Science and Business Analytics education, having this enterprise systems course in our program will give our graduates an important competitive advantage in the job market.

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2. Discuss prerequisites/co-requisites for course(s) including class-standing, admission to the major, GPA, or other factors that would affect a student's ability to register.

   DSBA 6212: Permission from the DSBA Director.
   MBAD 6212: ~~Prerequisites: MBAD 5121 or equivalent~~ Permission from the MBA Director.
   ~~.~~

3. Demonstrate that course numbering is consistent with the level of academic advancement of students for whom it is intended.

   Course number to be DSBA 6212 / MBAD 6212. This positions the course as a graduate level course and the 6000 number is consistent with the other classes in the DSBA/MBA programs.

4. In general, how will this proposal improve the scope, quality and/or efficiency of programs and/or instruction?

   This course will be added as an elective in the MBA concentrations of Information Technology Management and Business Analytics. It will also be an elective for the DSBA program and can be offered as elective for other relevant graduate certificates. Offering this course will add an option for students who like to manage the underlying systems that feed enterprise data for business analytics applications.

   The course has not been offered previously.

C. Impact

1. What group(s) of students will be served by this proposal? (Undergraduate and/or graduate; majors and/or non-majors, others? Explain). Describe how you determine which students will be served.

   The proposed course will serve graduate students enrolled in the DSBA or MBA degree programs or graduate certificate programs. The proposed course is offered as an elective in the DSBA and MBA programs, hence, students have to be enrolled in the DSBA or the MBA degree or graduate certificate programs to take this course.

2. What effect will this proposal have on existing courses and curricula?
   a. When and how often will added course(s) be taught?
   b. How will the content and/or frequency of offering of other courses be affected?
   c. What is the anticipated enrollment in course(s) added (for credit and auditors)?
   d. How will enrollment in other courses be affected? How did you determine this?
   e. Identify other areas of catalog copy that would be affected, including within other departments and colleges (e.g., curriculum outlines, requirements for the degree, prerequisites, articulation agreements, etc.)

a. This course will initially be offered once a year.

b. Since this is a new course and is part of the rapidly growing DSBA program, we anticipate minimal impact on the content or frequency of offering of other courses.

c. About 20 students are anticipated to enroll.

d. Since this course is an elective for the rapidly growing DSBA program, it is expected to attract new students with minimal impact on the enrollment of other courses.

e. This course will be added as an elective to the DSBA and MBA programs. It will not affect any other areas of the catalog copy.

III. RESOURCES REQUIRED TO SUPPORT PROPOSAL.
When added resources are not required, indicate "none". For items which require "none" explain how this determination was made.

   A. **PERSONNEL**. Specify requirements for new faculty, part-time teaching, student assistants and/or increased load on present faculty. List by name qualified faculty members interested in teaching the course(s).

   All faculty in the BISOM department are qualified to teach this course. The initial list of faculty interested in teaching the course are:
   Ram Kumar (G)
   Sungjune Park (G)
   Reginald Silver (G)
   Antonis Stylianou (G)
   Chandrasekar Subramaniam (G)
   Kexin Zhao (G)

   B. **PHYSICAL FACILITY.** Is adequate space available for this course?

   Yes

   C. **EQUIPMENT AND SUPPLIES:** Has funding been allocated for any special equipment or supplies needed?

   No special equipment or supplies needed

   D. **COMPUTER.** Specify any computer usage (beyond Moodle) required by students and/or faculty, and include an assessment of the adequacy of software/computing resources available for the course(s).

   An enterprise resource planning (ERP) software is required for this class. SAP is the leading software vendor in the ERP market with excellent job opportunities for students graduating with skills in SAP

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(http://www.forbes.com/sites/louiscolumbus/2014/05/12/gartners-erp-market-share-update-shows-the-future-of-cloud-erp-is-now/). Hence, purchasing and licensing SAP is our first option. Alternatives to SAP are Microsoft Dynamics, NetSuite, Oracle EBS, and PeopleSoft. The enterprise systems course requires use of computer lab space for approximately 25%-50% of the class time. The equipment in the current lab at the Center City Building is adequate for this course. In addition, most vendors make their software available on the cloud which can be accessed from the students' own computers or tablets, thus reducing the pressure on providing computing lab space.

E. **AUDIO-VISUAL**. If there are requirements for audio-visual facilities beyond the standard classroom podiums, please list those here.
No special equipment or supplies needed

F. **OTHER RESOURCES**. Specify and estimate cost of other new/added resources required, e.g., travel, communication, printing and binding.
No other resources needed.

G. **SOURCE OF FUNDING**. Indicate source(s) of funding for new/additional resources required to support this proposal.

The DSBA program has funded the university licensing of the SAP software to be used in this course. (Support letter from DSBA attached.)

IV. CONSULTATION WITH THE LIBRARY AND OTHER DEPARTMENTS OR UNITS

A. **LIBRARY CONSULTATION**. Indicate written consultation with the Library Reference Staff at the departmental level to ensure that library holdings are adequate to support the proposal prior to its leaving the department. (Attach copy of ***Consultation on Library Holdings***).

Library consultation attached

B. **CONSULTATION WITH OTHER DEPARTMENTS OR UNITS**. List departments/units consulted in writing regarding all elements outlined in IIC: Impact Statement, including dates consulted. Summarize results of consultation and attach correspondence. Provide information on voting and dissenting opinions (if applicable).

DSBA support letter attached.

C. **HONORS COUNCIL CONSULTATION**. In the case of Honors courses or Honors programs indicate written consultation with the Honors Council (if applicable).

V. INITIATION, ATTACHMENTS AND CONSIDERATION OF THE PROPOSAL

A. ORIGINATING UNIT. Briefly summarize action on the proposal in the originating unit including information on voting and dissenting opinions.

> The proposal was unanimously approved by the BISOM faculty on January 9, 2015.

B. CREDIT HOUR. **(Mandatory if new and/or revised course in proposal)**
Review statement and check box once completed:

☒ The appropriate faculty committee has reviewed the course outline/syllabus and has determined that the assignments are sufficient to meet the University definition of a credit hour.

C. ATTACHMENTS.

1. CONSULTATION: Attach relevant documentation of consultations with other units.

2. COURSE OUTLINE/SYLLABUS: For undergraduate courses attach course outline(s) including basic topics to be covered and suggested textbooks and reference materials with dates of publication. For Graduate Courses attach a course syllabus. Please see Boiler Plate for Syllabi for New/Revised Graduate Courses.

3. PROPOSED CATALOG COPY: Copy should be provided for all courses in the proposal. Include current subject prefixes and course numbers, full titles, credit hours, prerequisites and/or corequisites, concise descriptions, and an indication of when the courses are to be offered as to semesters and day/evening/weekend. Copy and paste the current catalog copy and use the Microsoft Word "track changes" feature (or use red text with "strikethrough" formatting for text to be deleted, and adding blue text with "underline" formatting for text to be added).

   a. For a new course or revisions to an existing course, check all the statements that apply:
   __X__ This course will be cross listed with another course.
   __X__ There are prerequisites for this course.
   _____ There are corequisites for this course.
   _____ This course is repeatable for credit.
   _____ This course will increase/decrease the number of credits hours currently offered by its program.
   _____ This proposal results in the deletion of an existing course(s) from the degree program and/or catalog.

   For all items checked above, applicable statements and content must be reflected in the proposed catalog copy.

       b. If overall proposal is for a new degree program that requires approval from General Administration, please contact the facultygovernance@uncc.edu for consultation on catalog copy.

4. ACADEMIC PLAN OF STUDY (**UNDERGRADUATE ONLY**): Does the proposed change impact an [existing Academic Plan of Study](#)?
☐ Yes. If yes, please provide updated Academic Plan of Study in template format.
☐ No.

5. STUDENT LEARNING OUTCOMES ([UNDERGRADUATE](#) & [GRADUATE](#)): Does this course or curricular change require a change in Student Learning Outcomes (SLOs) or assessment for the degree program?
☐ Yes. If yes, please provide updated SLOs in template format.
☒ No.

6. TEXTBOOK COSTS: It is the policy of the Board of Governors to reduce textbook costs for students whenever possible. Have electronic textbooks, textbook rentals, or the buyback program been considered and adopted?
☒ Yes. Briefly explain below.
☐ No. Briefly explain below.

Textbook rentals and/or buyback program will be discussed with the bookstore to find the least expensive text book options. Since, similar courses offered in other universities benefit from the use of free electronic course materials from ERP vendors, the textbook costs can be kept to a minimum.

IMPORTANT NOTE: A Microsoft Word version of the final course and curriculum proposal should be sent to facultygovernance@uncc.edu upon approval by the Undergraduate Course and Curriculum Committee and/or Graduate Council chair.

Belk College of Business Administration, University of North Carolina at Charlotte

DSBA 6212 / MBAD 6212: ENTERPRISE SYSTEMS

Class Website and Primary communication channel: Moodle 2 will be the primary communication channel for this class.

Instructor:
Office:
Phone:
Email:

Class time:
Classroom:
Office hours:

Catalog Description

This course provides graduate students with an overview of Enterprise Resource Planning (ERP). Using business cases and hands-on training with ERP tools, students will learn how ERP systems support an organization's core business processes in achieving its strategic and operational goals. The role of ERP systems in business analytics and intelligence, the configuration of ERP systems, and the methods of evaluation, selection and implementation of ERP systems will also be covered. (*Fall*)

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Learning objectives

The specific learning objectives of this course are:
- To understand how Enterprise Resource Planning (ERP) systems are used to support business processes in various functional areas
- To understand the business and technical components of typical ERP systems
- To understand how ERP systems provide the foundations for effective business analytics and intelligence in an enterprise
- To understand the strategic role of ERP systems in the overall corporate strategy and competitive advantage
- To understand the challenges and methods for evaluation, selection, and implementation of ERP systems.
- To gain a hands-on experience of using and configuring an ERP system

Pre-requisites: MBAD 5121 or equivalent and enrolled in the MBA, DSBA, or graduate certificate programs.

Suggested Textbook

1. Monk, E. and Wagner, B. "Concepts in Enterprise Resource Planning," Fourth Edition, Cengage Learning, 2012.
2. Magal, S.R. and Word, J. "Integrated Business Processes with ERP Systems," Wiley, 2012.

Other Suggested Course Materials

1. Leon, A. "Enterprise Resource Planning," Third Edition, McGraw Hill, 2014.
2. Hoeven, H. "ERP and Business Processes Illustrated with Microsoft Dynamics NAV 2009," Llumina Press, 2011.
3. Magal, S.R. and Word, J. "Business Process Integration with SAP ERP," Epistemy Press LLC, 2013
4. Moodle: In addition, handouts, power-point slides, and other documents to help during class discussion or class work will be posted on Moodle. You can print the posted material and bring them to class.

Grading

The grading will be based on the following components:

Component	Points
Cases & Case Presentations	150
ERP Projects	250
Mid-term exam	250
Final Exam	250
Class Participation	100

Grading Scale:

A: >= 900
B: >= 800 and < 900
C: >= 700 and < 800
U: <700

Attendance

Regular attendance is necessary for doing well in this course. You are expected to attend punctually all scheduled sessions and are responsible for completing the work from all of the class meetings. Attendance will be taken at random during the semester and will be counted towards class participation points. You are responsible for any material covered, announcements made, assignments passed out, and any other type of work you may miss during any absence from class. The mid-term exams and final exam may contain material that is not in the slides or handouts but was covered in the class.

Tardiness or early departure is disruptive and is, of course, strongly discouraged.

Class behavior

Inappropriate behavior in class distracts from the ability of others to profit from their in-class experience. Such inappropriate behavior includes arriving late, leaving early, talking, surfing the net during the class, and so on. Rude and inappropriate behavior **will not be tolerated**. Since it is my responsibility to provide an environment that is conducive to learning for everyone in the class, I will deduct points from the grade of any student who chooses to repeatedly distract others. In particularly egregious cases, I will have the student permanently removed from the class.

Under no circumstances will students be permitted to spend their class time working on assignments for other classes, checking e-mail, surfing the Web, or printing out homework. Attempts to engage in such behavior will be reflected in lower grades and may lead to removal from the course.

Electronic Devices in Class

Use of cellular phones and similar devices are prohibited in the classroom and laboratory facilities. Cellular phones MUST BE TURNED OFF DURING CLASS and students are strongly discouraged from checking their cell-phone messages when the class in progress. Pagers must be set to vibrate, rather than beep. Use of instant messaging, email or other communication technologies during class time is prohibited. You may use a laptop to take notes during the class, but this should be done without distracting other students and without distracting you from the topic of discussion. Calculators and computers are prohibited during examinations and quizzes, unless specifically allowed by the instructor. *I will take very seriously any complaints from fellow students who are distracted by non-class related use of electronic devices by any student.*

Students violating these policies will be marked for disruptive behavior and may be asked to leave the class. Their grade will also be affected according to the rules of class participation points.

Quality of Work

The expectation is for **professional quality** work both in terms of **content and presentation**.

- Spelling, grammar, punctuation, clarity of expression, and presentation will count in every piece of work you do for this course. If you have trouble with spelling, grammar or punctuation, have someone proofread your package.
- Your grade will be based on what you say or write and how you present it. It becomes difficult to read for content if the mechanics are sloppy, and a superior job may not be recognized as such if presented in an error-laden package.
- Good ideas sloppily expressed will receive mediocre grades, as will flashy presentations that lack content.
- Students whose native language is not English must meet the same quality requirements as others

All work submitted for evaluation (including group and individual work) must be neat and clearly marked indicating the question/case to which it relates. Work submitted online must

have all files named appropriately so that the instructor can easily understand what the file represents. The instructor will not spend time going through all your files in order to find your submitted work. Even though this is not a language class, the instructor will deduct points for typos or grammatical errors in submitted work. Whether it is individual work or group work, it is a good idea to thoroughly review it before submitting it. Do not ask/expect the instructor to review your work before submission for opinions or feedback.

Team Work
There may be several team activities for this class. Each team is responsible for organizing itself, dividing up the work, and deciding how relative contributions should be measured. It is your responsibility to **promptly** inform the instructor of any dysfunctional team dynamics and to solicit his help.

It is the responsibility of the team to ensure that all team members understand all concepts related to the completed projects and presentations. The instructor may ask questions about any completed project to any team member and any incomplete or unsatisfactory answers will affect the team grade. *The instructor may announce additional measures to obtain feedback on group member contributions and institute appropriate grade penalty for lack of participation. However, this grade penalty will be limited to the course-work that is group-based.*

Grade Appeals
If you believe that the grade you received on an assignment, exam or other graded course component was in error or unfair, you can appeal to the professor in writing within 10 calendar days of the receipt of your grade. The appeal should clearly state the reasons why you believe the grade to be unfair or the nature of the error. Overdue appeals will not be considered.

Incomplete grade policy
The incomplete is not based solely on a student's failure to complete work or as a means of raising his/her grade by doing additional work after the grade report time. An incomplete grade can be given when a student has a serious medical problem or other extenuating circumstance that legitimately prevents completion of required work by the due date. In any case, the student's work to date should be passing, and the student should provide proper written proof (e.g., a doctor's note), in order to get an 'I' grade.

Exam Ownership
Exams take many hours to prepare and, as a form of intellectual property, belong to those who create them (your professors). Consequently, exams must remain in my possession or under my control at all times unless you are given explicit written permission to keep them.

This means that exams cannot be taken out of the room during their administration or during their review at a later class meeting, unless permitted by the instructor.

Students are encouraged to review their exams during office hours or by appointment for study purposes. However, failure to return an exam after taking or reviewing it or removing an exam from my presence at any time will be considered theft of intellectual property. Such action will result in an exam grade of zero and may warrant further disciplinary action.

Accommodation for Disabilities
In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to "reasonable accommodations." Please notify the instructor during the first week of class of any accommodations needed for the course.

Academic integrity
As a program that helps to create business and government leaders, the College of Business has an obligation to ensure academic integrity is of the highest standards. Standards of academic integrity will be enforced in this course.

University regulations will be strictly enforced in all cases of **academic irregularities, cheating or plagiarism** or any variations thereof. Students assume full responsibility for the content and integrity of the academic work they submit. The guiding principle of academic integrity shall be that a student's submitted work, examinations, reports, and projects must be that of the student's own work.

All UNCC students have the responsibility to be familiar with and to observe the requirements of The **UNCC Code of Student Academic Integrity** (see the Catalog). This code forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism of written materials and software projects, abuse of academic materials (such as Library books on reserve), and **complicity in academic dishonesty** (helping others to violate the code). Additional examples of violation of the Code include representing the work of others as your own.

For this class, it is permissible to assist classmates in general discussions of computing techniques. General advice and interactions are encouraged. Each person, however, must develop his or her own solutions to the assigned homework and laboratory exercises. Students may not "work together" on graded assignments. Such collaboration constitutes cheating, unless it is a group assignment. A student may not use or copy (by any means) another's work (or portions of it) and represent it as his/her own. If you need help on an assignment, contact your instructor or the TA, not other classmates. Any further specific requirements or permission regarding academic integrity in this course will be stated by the instructor, and are also binding on the students in this course.

Students who violate the code can be punished to the extent of being **permanently expelled** from UNCC and having this fact recorded on their official transcripts. The normal penalty is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases, the course grade is reduced to "F." If you are unclear about whether a particular situation may constitute an honor code violation, you should meet with the instructor to discuss the situation. Also, students are expected to **report cases of academic dishonesty** they become aware of to the course instructor who is responsible for dealing with them.

If you do not have a copy of the code, you can obtain one from the Office of the Dean of Students.

Course Changes
The instructor reserves the right to make any necessary changes to the course content, schedule, and policies. Changes will be announced on the class page in Moodle.

The Belk College of Business strives to create an inclusive academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status.

Course Outline

Week	Topic
1	Enterprise Systems as Foundations for Business Analytics
2	Business Functions, Business Processes, and the Enterprise Systems Data Model
3	Process Modeling and Process Improvement in Enterprise Resource Planning (ERP) Systems
4 & 5	Marketing Information Systems & Sales Management in ERP
6 & 7	Production and Supply Chain Management in ERP
8 & 9	Accounting Systems in ERP
10 & 11	Human Resources Management in ERP
12 & 13	Business Intelligence and Analytics in ERP
14	ERP Configuration and Implementation
15	Data Management, Information Security, and Privacy Issues in ERP
16 & 17	Final Exam and Project Presentations

Catalog Copy

DSBA 6212. Enterprise Systems. (3) Cross-listed as MBAD 6212. Prerequisite: ~~MBAD 5121 or equivalent and enrolled in the MBA,~~ Permission from the DSBA Director.~~DSBA, or graduate certificate programs.~~ This course provides graduate students with an overview of Enterprise Resource Planning (ERP). Using business cases and hands-on training with ERP tools, students will learn how ERP systems support an organization's core business processes in achieving its strategic and operational goals. The role of ERP systems in business analytics and intelligence, the configuration of ERP systems, and the methods of evaluation, selection and implementation of ERP systems will also be covered. (*Fall~~, Spring~~*)

MBAD 6212. Enterprise Systems. (3) Cross-listed as DSBA 6212. Prerequisite: Permission from the MBA Director.~~MBAD 5121 or equivalent and enrolled in the MBA, DSBA, or graduate certificate programs.~~ This course provides graduate students with an overview of Enterprise Resource Planning (ERP). Using business cases and hands-on training with ERP tools, students will learn how ERP systems support an organization's core business processes in achieving its strategic and operational goals. The role of ERP systems in business analytics and intelligence, the configuration of ERP systems, and the methods of evaluation, selection and implementation of ERP systems will also be covered. (*Fall~~, Spring~~*)

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