Add Undergraduate Course

Course Attributes				00038
Subject Abbreviation:		Catalog Title:	Introduction to Business Analytics	
Course Number: Effective Term:	3500	Transcript Title:	Intro to Business Analytics	Justifica tion
	Spring 2016	Cross-reference(s):	Out to the co	
College: Department:	Business and Behavioral So	orade Mode:	Standard Letter	
- Form	Management			
User ID: janism	Name: Janis Miller 5 Number: 10949			
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Rationale for Add	Course	Schedule Types	Projected Enrollmen	1
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	dent Learning Outcomes	(Independent	Study Year 2: 19	
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30% Homework Assig	nments 5@6% 30% Midtern	n Exam 30% Final Exa	m 10% Class Participation	

Catalog Description

Introduces to the common language, terminology, and concepts related to business analytics. Students will learn what it takes to be a business analyst and how to manage business problems using business analytics. It will introduce students to the business analytics profession and cover the basic business, technical and statistical concepts.

Prerequisite(s) Corequisite(s) MGT 3180 or ACCT 3220

Required course for students in

B.S. Management emphasis area in business analytics

Statement of need and justification based on assessment of student learning outcomes

Advances in information technology have led to massive amounts of data (often referred to as "Big Data") from transactions, business interactions, social exchanges and sensors. With continued innovation revolving around digital technologies, the Internet, and mobile computing, the amount of data is growing exponentially. There is presently a shortage of talented analysts who can help business organizations manage and analyze this

data.

Textbook(s)

Efraim Turban, Ramesh Sharda, Dursun Delen, David King Business Intelligence: A Managerial Approach (2/E), Pearson Hall 2010

Learning Objectives

At the end of the course, students will be able to: • Define common business analytics (BA) concepts and describe several frameworks for understanding BA • Explain four ways businesses can use BA to gain competitive advantage • List the critical factors needed for successful implementation of BA in an enterprise • Detail the key inputs to developing BA applications • List the major factors involved in managing the BA data infrastructure • Develop a list of practical criteria to use in the BA software selection decision • Speculate about the future trends and directions for BA

Topical Outline

1. Course Overview – Intro to BI 2. Business Intelligence and Its Capabilities 3. Executive Information Systems 4. Determining Information Requirements 5. Business Performance Management I 6. Business Performance Management II 7. Intro to MicroStrategy, Software Selection 8. Data Management & Data Warehousing 9. Data Warehousing, Review 10. Midterm Exam, Intro to Planners Lab 11. Introduction to Data Mining in Business 12. Introduction to Text and Web Mining in Business 13. Determining ROI, Intro to Tableau 14. Business Intelligence Implementation 15. The Future of BI and Analytics, review 16. Final Exam

Duplication (if applicable)

Hi Janis, We appreciate you asking us about these course proposals and that you are interested in identifying CPSC courses to suggest as possibilities for advanced students! We support the revised course proposals for MGT 3500 and 4500. Best regards, Mark (Smotherman-CPSC)

Syllabus -

Upload File: MGT3500-20150925084505.docx

Description: Sample syllabus for MGT3500

9/25/2015 Add Undergraduate Course - Curricu	lum & Course Change System
Fole Shull	9/25/2015
Chair, Department Curriculum Committee	9-25-15 Date
Department Chair M. Cosserbull	Date 10/9/15
Chair College Curriculum Committee	(0 (13/15 Date
College Dead	Date
Director, Calhoun Honors College	Date
Chair, Undergraduate Curriculum Committee	Date
Chair, Graduate Curriculum Committee Rescrit TV Jones	2/11/16
Provost	Date
President	Data

MGT 3500: Introduction to Business Analytics

Course Information

Class Time: Classroom:

Course Web Page:

Instructor: Seth Li

Office: Sirrine 120B

Office Hours:

Email: siyuan@g.clemson.edu

Course Description

Introduces to the common language, terminology, and concepts related to business analytics. Students will learn what it takes to be a business analyst and how to manage business problems using business analytics. It will introduce students to the business analytics profession and cover the basic business, technical and statistical concepts. (Prerequisite MGT 3180 or ACCT 3220)

Learning Outcomes

At the end of the course, students will be able to:

- Define common business analytics (BA) concepts and describe several frameworks for understanding BA
- Explain four ways businesses can use BA to gain competitive advantage
- List the critical factors needed for successful implementation of BA in an enterprise
- Detail the key inputs to developing BA applications
- List the major factors involved in managing the BA data infrastructure
- Develop a list of practical criteria to use in the BA software selection decision
- Speculate about the future trends and directions for BA

Required Textbook and Materials:

Efraim Turban, Ramesh Sharda, Dursun Delen, David King Business Intelligence: A Managerial Approach (2/E), Pearson Hall 2010

The class will use resources on the Teradata Student Network http://www.teradatastudentnetwork.com . Access & registration details will be provided in class.

Academic Integrity

From the "Academic Integrity" policy under "Academic Regulations" in the Clemson University's Undergraduate Announcements found on the Registrar's home page:

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a "high seminary of learning." Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

When, in the opinion of a faculty member, there is evidence that a student has committed an act of academic dishonesty, the faculty member shall make a formal written charge of academic dishonesty, including a description of the misconduct, to the Associate Dean for Curriculum in the Office of Undergraduate Studies. At the same time, the faculty member may, but is not required to, inform each involved student privately of the nature of the alleged charge.

Title IX

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... Additionally, students occasionally are required to miss class because of participation in co-curricular activities, such as class trips, that the faculty members note on their syllabi. The student must discuss these activities with the faculty members whose classes will be missed well in advance of their occurrences. The documentable absences are necessary, and the instructor will make arrangements for those students to make-up graded work that takes place during those necessary absences. The time, location, and nature of the make-up work will be at the discretion of the instructor. If required, documentation will be provided to instructors by students. ...

For this class, any student missing 6 or more class meetings (includes both excused and unexcused) will realize a single letter grade reduction for the course. Additionally, any student missing half or more of the class meetings (includes both excused and unexcused) will receive a failing grade for the course.

Policy on Late Instructor

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Management Department Undergraduate Graduation Requirements

Management and Industrial Management majors must earn a grade of C or higher in this course. Management and IM majors receiving a grade of D or F would be required to retake the course even with an overall GPA of at least 2.0.

Grading

The Clemson University grading system is as follows:

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- C—Fair indicates work of average or medium character.
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- F—Failed indicates that the student knows so little of the subject that it must be repeated in order that credit can be received.
- I—Incomplete indicates that a relatively small part of the semester's work remains undone. W—Withdrew indicates that the student withdrew from the course or was withdrawn by the instructor after the first two weeks of class work and prior to the last seven weeks of classes, not including the examination period.

For this class, final averages between 90.00 and 100 are an A, 80.00 and 89.99 a B, 70.00 and 79.99 a C, 60.00 and 69.99 a D, and below 59.99 an F.

Item	Percent of Total
Homework Assignments 5@6%	30%
Midterm Exam	30%
Final Exam	30%
Class Participation	10%

Participation

The nature of this course involves a heavy degree of open dialogue and discussion. Therefore, a significant factor in determining grades will be the degree to which you participate in class. The actual participation grade will be comprised of attendance, discussion quality and general professionalism.

Final Exam:

The final exam will cover only material introduced after the midterm exam.

Tentative Schedule

Week Number	Topic	Chapters	Homework assignments
1	Course Overview – Intro to BI		
2	Business Intelligence and Its Capabilities	Ch. 1	
3	Executive Information Systems		
4	Determining Information Requirements		Genericorp Assignment (A)
5	Business Performance Management I	Ch. 3	
6	Business Performance Management II Ch. 3		Personal Balanced Scorecard Assignment (B)
7	Intro to MicroStrategy, Software Selection		
8	Data Management & Data Warehousing	Ch. 2	
9	Data Warehousing, Review		MicroStrategy Software assignment (1)
10	Midterm Exam, Intro to Planners Lab		
11	Introduction to Data Mining in Business	Ch. 4	Planners Lab Software assignment (2)
12	Introduction to Text and Web Mining in Business	Ch. 5	
13	Determining ROI, Intro to Tableau		
14	Business Intelligence Implementation	Ch. 6	
15	The Future of BI and Analytics, review		Tableau assignment (3)
16	Final Exam		

Add Undergraduate Course

000396

Course Attributes			0000	O
	MGT-Management	Catalog Title:	Business Modeling, Analytics, and Problem Solving	
Course Number:	3510	Transcript Title:	Business Analytics & Problems	
Effective Term:	Spring 2016	Cross-reference(s):		
College:	Business and Behavioral So	ci Grade Mode:	Standard Letter	
Department:	Management	Additional Fee?	,	
-		Justification		
Form				
User ID: janism	Name: Janis Miller			
Date: 09/25/2015	5 Number: 10974			
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Rationale for Add (Course	Schedule Types	Projected Enrollment	
Strengthen Progr	ram Requirement(s)	○ Field Course		
Alignment of Stu	dent Learning Outcomes	O Independent S	Study Year 2: 19 Year 3: 19	
Alternative Deliv	ery of Content	☐ Internship☐ Lab No Fee	Year 4: 19	
☐ Improve Time to	Degree	Lab With Fee	Р	
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F 1 C				
Evaluation				
Undergraduate A 90 - 100				
B 80 - 89				
C 70 - 79				
D 60 - 69				
F < 60				
	6@5% 25% Group Project	25% Final Exam 20%	Class Participation	
Catalog Description This course focuses on pro-	oblem solving using statistic	es to analyze husiness d	data. Case studies address business problems in data manage	ment
model fitting, model inter	pretation, and diagnostics.	Model approaches inclu	lude selected topics from multivariate analysis, exploratory of	lata
analysis, and linear model				
Prerequisite(s)	Corequisite(s)			

Required course for students in

B.S. Management Business Analytics emphasis area.

Statement of need and justification based on assessment of student learning outcomes

Advances in information technology have led to massive amounts of data (often referred to as "Big Data") from transactions, business interactions, social exchanges and sensors. With continued innovation revolving around digital technologies, the Internet, and mobile computing, the amount

of data is growing exponentially. There is presently a shortage of talented analysts who can help business organizations manage and analyze this data.

Textbook(s)

Wolfgang Jank, Business Analytics for Managers, ISBN 978-1-4614-0405-7

Learning Objectives

At the end of the course, students will be able to: • Interpret output from analytical tools for a given business situation. • Present, both orally and in writing, the results from analytical tools in the context of business problems. • Examine a practical business problem, identify and utilize the correct statistical method in order to make a recommendation to the business.

Topical Outline

Weekly schedule 1 Introduction 2 Review Inferential Statistics 3 Review Regression and ANOVA 4-5 ELT (extract, transform and load) business data 6-7 Practical business significance and generalizability 8-9 Advanced topics including business data with dependency 10 Identifying critical factors in business cases 11 Modeling business processes 12-13 Non-linear relationships 14 Decision trees and decision making 15 Group project presentations 16 Final Exam

Duplication (if applicable)

Janis: The adjusted topical outline looks MUCH better. Thank you so much for running this by us before finalizing. We appreciate the extra care you are taking. Best, Judith (McKnew-Math/Stats)

Syllabus -

Upload File: MGT3510-20150925093827.docx

Description: Sample syllabus MGT 3510

Add Undergraduate Course - Curriculum & Cou	urse Change System
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Chair, Department Curriculum Committee	1/00/0398 Date
Do O Laran	9-25-15
Department Chair	Date
John M. Coggeshall	10/9/15
Chair, College Curriculum Committee	Date
Yulie	10/13/15
College Dean	Date
Director, Calhoun Honors College	Date
Coh D. Wiffi	11/6/2015
Chair, Undergraduate Curriculum Committee	Date
Chair, Graduate Curriculum Committee	2/11/16 Date
Provost	Date
President 33)	Date

MGT 3510: Business Modeling, Analytics, and Problem Solving

Course Information

Class Time: Classroom:

Course Web Page:

Instructor: Dr. Jerry K Bilbrey

Office: Sirrine 123
Office Hours:

Email: jbilbre@clemson.edu

Course Description

This course focuses on problem solving using statistics to analyze business data. Case studies address business problems in data management, model fitting, model interpretation, and diagnostics. Model approaches include selected topics from multivariate analysis, exploratory data analysis, and linear models. (Prerequisite MGT 3100)

Learning Objectives:

At the end of the course, students will be able to:

- Interpret output from analytical tools for a given business situation.
- Present, both orally and in writing, the results from analytical tools in the context of business problems.
- Examine a practical business problem, identify and utilize the correct statistical method in order to make a recommendation to the business.

Required Textbook and Materials (needed EVERY class period):

Wolfgang Jank, Business Analytics for Managers, ISBN 978-1-4614-0405-7

Laptop with Excel 2013 and R!

Academic Integrity

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disability, veteran's status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at http://www.clemson.edu/campus-life/campus-services/access/title-ix/

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... Additionally, students occasionally are required to miss class because of participation in co-curricular activities, such as class trips, that the faculty members note on their syllabi. The student must discuss these activities with the faculty members whose classes will be missed well in advance of their occurrences. The documentable absences are necessary, and the instructor will make arrangements for those students to make-up graded work that takes place during those necessary absences. The time, location, and nature of the make-up work will be at the discretion of the instructor. If required, documentation will be provided to instructors by students. ...

For this class, any student missing 6 or more class meetings (includes both excused and unexcused) will realize a single letter grade reduction for the course. Additionally, any student missing half or more of the class meetings (includes both excused and unexcused) will receive a failing grade for the course.

Policy on Late Instructor

If for any unforeseen circumstance I am significantly late for class, I expect the class to wait for a period of 10 minutes before disbanding. Periodically check the Blackboard space for any announcements.

Management Department Undergraduate Graduation Requirements

Management and Industrial Management majors must earn a grade of C or higher in this course. Management and IM majors receiving a grade of D or F would be required to retake the course even with an overall GPA of at least 2.0.

Grading

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- A—Excellent indicates work of a very high character, the highest grade given.
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- I—Incomplete indicates that a relatively small part of the semester's work remains undone. W—Withdrew indicates that the student withdrew from the course or was withdrawn by the instructor after the first two weeks of class work and prior to the last seven weeks of classes, not including the examination period.

For this class, final averages between 90.00 and 100 are an A, 80.00 and 89.99 a B, 70.00 and 79.99 a C, 60.00 and 69.99 a D, and below 59.99 an F.

Item	Percent of Total
6 Case Assignments @ 5% each	30%
Group Project	25%
Final Exam	25%
Class Participation	20%

Group Project

The group project will analyze a real-world problem using business analytics skills learned from this course.

Participation

The nature of this course involves a heavy degree of open dialogue and discussion. Therefore, a significant factor in determining grades will be the degree to which you participate in class. The actual participation grade will be comprised of attendance, discussion quality and general professionalism.

Final Exam:

The final exam is required and will be comprehensive, covering all semester content.

TENTATIVE SCHEDULE

Week Number Topic Chapter	Assignments
---------------------------	-------------

1	Introduction	1	
2	Review Inferential Statistics		Case 1
3	Review Regression and ANOVA		
	ELT (extract, transform and load)		
4-5	business data	2	Case 2
	Practical business significance and		
6-7	generalizability	3	Case 3
	Advanced topics including		
8-9	business data with dependency	4	Case 4
	Identifying critical factors in		
10	business cases		
11	Modeling business processes	5	Case 5
12-13	Non-linear relationships	6	Case 6
14	Decision trees and decision making		
15	Group project presentations		Group Project due
16	Final Exam		

Add Undergraduate Course

3

			00040
Course Number: 4500 Effective Term: Spring 2016 College: Business and Behavioral Sci Department: Management	Catalog Title: Transcript Title: Cross-reference(s): Grade Mode:	Advanced Business Analytics Additional Advanced Business Analytics Justification Standard Letter	l Fee?
User ID: janism Name: Janis Miller Date: 09/25/2015 Number: 10961			
Fixed Credit Course Credit Hrs Contact Hrs 3 3 Variable Credit Course Credit Hrs Contact Hrs Min Max Min Max Rationale for Add Course Strengthen Program Requirement(s) Alignment of Student Learning Outcomes Alternative Delivery of Content Improve Time to Degree Very Evolution of the Discipline Changing Prerequisites Address DWF Rates General Education Modifications Other (Please specify.)	Schedule Types Field Course Independent S Internship Lab No Fee Lab With Fee Lecture Other Seminar Studio Tutorial	Year 3: 19 Year 4: 19	
Evaluation Undergraduate A 90 - 100 B 80 - 89 C 70 - 79			
D 60 - 69 F < 60 15% Midterm Exam 15% Final Exam 20% Group Pr	roject 40% Paper assi	gnments 4@10% 10% Class Participation	

Catalog Description

This course aims to deepen students' understanding of how to manage and analyze business data to gain competitive advantages. It will include case studies, projects and real-world business problems to give students opportunities to apply business analytics skills and to use business analytics software applications.

Prerequisite(s) Corequisite(s) MGT 3500

Required course for students in

B.S. Management Business Analytics emphasis area

Statement of need and justification based on assessment of student learning outcomes

Advances in information technology have led to massive amounts of data (often referred to as "Big Data") from transactions, business interactions, social exchanges and sensors. With continued innovation revolving around digital technologies, the Internet, and mobile computing, the amount of data is growing exponentially. There is presently a shortage of talented analysts who can help business organizations manage and analyze this

data.

Textbook(s)

S. Christian Albright, and Wayne L. Winston, "Business Analytics: Data Analysis and Decision Making" (5th edition), Cengage Dearling, ISBN: 1-133-58826-3.

Learning Objectives

At the end of the course, students will be able to: • Define common and advanced business analytics (BA) concepts • Correctly apply a framework for understanding BA to a real-world project and develop useful recommendations for the company • Demonstrate the use of several samples of BA software • List three ways business analytics can create competitive advantage for a business

Topical Outline

Weekly Outline 1-3 Recap of business analytics basics 4 Concepts, Constructs & Variables 5 Measurement, Scales of Measurement, and Validity and Reliability 6-8 Decision trees and business decision-making 9-10 Association Rule and Business association problems 11 Enhancing Competitiveness Through IT 12 Business Analytics and Competing in Digital Markets 14 Analytics and Business Transformation 15 Group presentations 16 Final Exam

Duplication (if applicable)

Hi Janis, We appreciate you asking us about these course proposals and that you are interested in identifying CPSC courses to suggest as possibilities for advanced students! We support the revised course proposals for MGT 3500 and 4500. Best regards, C

Syllabus

Upload File: MGT4500-20150925091957.docx

Description: MGT4500 sample syllabus

Add Undergraduate Course - Curriculum & Course Change System	
Chair, Department Curriculum Committee	Date
Department Chair	Date
Chair, College Curriculum Comprittee	Date
College Dean 10 /14/15	Date
Director, Calhoun Honors College	Date
Chair, Undergraduate Curriculum Committee	Date
Chair, Graduate Curriculum Committee	Date
Provost Robert 78 Jones	Date
President	Date

10

MGT 4500: Advanced Business Analytics

Course Information

Class Time: Classroom:

Course Web Page:

Instructor: Dr. Heshan Sun

Office: Sirrine 107
Office Hours:

Email: sunh@clemson.edu

Course Description

This course aims to deepen students' understanding of how to manage and analyze business data to gain competitive advantages. It will include case studies, projects and real-world business problems to give students opportunities to apply business analytics skills and to use business analytics software applications. (Prerequisite MGT 3500)

Objectives:

At the end of the course, students will be able to:

- Define common and advanced business analytics (BA) concepts
- Correctly apply a framework for understanding BA to a real-world project and develop useful recommendations for the company
- Demonstrate the use of several samples of BA software
- List three ways business analytics can create competitive advantage for a business

Textbooks and Materials

(Required) S. Christian Albright, and Wayne L. Winston, "Business Analytics: Data Analysis and Decision Making" (5th edition), Cengage Learning, ISBN: 1-133-58826-3.

Please install these software applications within the first two weeks of the class. You need to bring your laptop to all the classes.

- 1. IBM SPSS Modeler
- 2. Microsoft Excel and Access 2013

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College work proceeds at such a pace that regular attendance is necessary for each student to obtain maximum benefits from instruction. Regular and punctual attendance at all class ... sessions is a student obligation, and each student is responsible for all the work, including tests and written work, in all class ... sessions. No right or privilege exists that permits a student to be absent from any given number of class ... sessions except as stated in the syllabus for each course. At the same time, it is obvious that students have valid reasons for missing classes, the instructors are expected to be reasonable in the demands they place on students.

... Additionally, students occasionally are required to miss class because of participation in co-curricular activities, such as class trips, that the faculty members note on their syllabi. The student must discuss these activities with the faculty members whose classes will be missed well in advance of their occurrences. The documentable absences are necessary, and the instructor will make arrangements for those students to make-up graded work that takes place during those necessary absences. The time, location, and nature of the make-up work will be at the discretion of the instructor. If required, documentation will be provided to instructors by students. ...

For this class, any student missing 6 or more class meetings (includes both excused and unexcused) will realize a single letter grade reduction for the course. Additionally, any student missing half or more of the class meetings (includes both excused and unexcused) will receive a failing grade for the course.

Policy on Late Instructor

If for any unforeseen circumstance I am significantly late for class, I expect the class to wait for a period of 10 minutes before disbanding. Periodically check the Blackboard space for any announcements.

Management Department Undergraduate Graduation Requirements

Management and Industrial Management majors must earn a grade of C or higher in this course. Management and IM majors receiving a grade of D or F would be required to retake the course even with an overall GPA of at least 2.0.

Grading

The Clemson University grading system is as follows:

- A—Excellent indicates work of a very high character, the highest grade given.
- B—Good indicates work that is definitely above average, though not of the highest quality.
- C—Fair indicates work of average or medium character.
- D—Pass indicates work below average and unsatisfactory, the lowest passing grade.
- F—Failed indicates that the student knows so little of the subject that it must be repeated in order that credit can be received.
- I—Incomplete indicates that a relatively small part of the semester's work remains undone. W—Withdrew indicates that the student withdrew from the course or was withdrawn by the instructor after the first two weeks of class work and prior to the last seven weeks of classes, not including the examination period.

For this class, final averages between 90.00 and 100 are an A, 80.00 and 89.99 a B, 70.00 and 79.99 a C, 60.00 and 69.99 a D, and below 59.99 an F.

Item	Percent of Total
Midterm Exam	15%
Final Exam	15%
Group Project	20%
Paper assignments 4@10%	40%
Class Participation	10%

Paper Assignments (40%, 4 x 10%)

To further integrate course concepts, we will be having assigned papers. The topic of the paper will be assigned during the semester. Specifics regarding topic, page length requirement, and writing style will be given when the assignment is made.

Group Project (20%)

A group project will be available. Each student will be in one group. As a group, you should apply the knowledge you learned from this course to solve a real-world problem. The group project will cover two major things (1) solving a real-world problem using the business analytics skills learned from this course, and (2) achieving a deeper understanding of how business analytics helps businesses. Details about the group project will be available early this semester.

TENTATIVE SCHEDULE

Week Number	Topic	Chapters	Assignments
1-3	Recap of business analytics basics	Turban et al., "Introduction to Business Analysis"	
4	Concepts, Constructs & Variables	(A&W) Chapters 2-3 (Patten) Topics 5-8	Paper 1: knowledge representation
5	Measurement, Scales of Measurement, and Validity and Reliability	(A&W) Chapters 4-5 (Patten) Topics 27-36, 45	
6-8	Decision trees and business decision- making	A&W Chapters 6-9	Paper 2: Car Evaluation
9-10	Association Rule and Business association problems	A&W Chapters 10, 15, 16.	Paper 3: Product Association
11	Enhancing Competitiveness Through IT	The Transforming Power of Complementary Assets, Hughes & Scott Morton, Sloan Management Review Summer, 2006. Investing in the IT that Makes a Competitive Difference, McAfee and Brynjolfsson, Harvard Business Review, Jul-Aug, 2008. IT Doesn't Matter, Carr, Harvard Business Review, May, 2003, pp.41-49. The End of Corporate Computing, Carr, Sloan Management Review, Spring 2005, pp. 67-74.	Paper 4: Analytics & Competitiveness.
12	Business Analytics and Competing in Digital Markets	Should You Invest in the Long Tail, Elberse, Harvard Business Review, July-Aug, 2008. Strategic Decisions for Multisided Platforms, Hagiu, Sloan Management Review, Winter 2014 E-Commerce and the Information Market: Breeding the New Infomediaries, Grover & Teng, Communications of the ACM, April, 2001.	
14	Analytics and and Business Transformation	Creating Business Value with Analytics, Fall 2011, Sloan Management Review Harnessing the Power of the Oh-So-Social Web, Bernoff and Li, Sloan Management Review, Spring, 2008.	
15	Group presentations		Group project due
16	Final Exam		

Change Undergraduate Course

— Change a	Course		UUUA	10	
Subject:		GT-Managemen			
Number:	45	_	II.		
Effective		ring 2016			
Title:		stems Implemen	nt .		
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	Course was taught: 20	1108			
į	ment of Change Based or		esults:		
Prerequisite	change is from a senior-lomeet the prerequisite.	evel elective 4x:	xx course to a junior-level required 3xxx course. This will make it easier for mo	ore	
Rationale	for Changing a Cours	ie —			
Streng	then Program Requirem	ent(s)			
Align	nent of Student Learning	Outcomes			
Altern	ative Delivery of Conten	it .			
Impro	ve Time to Degree	TAAA AAAAATAYAAA			
Evolu	tion of the Discipline	de manado mana			
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and the second s	ge Prerequisite(s) / Co	• ` ` `			
From To	MGT4520 or CPSC 4620 MGT3180	0			
10					
	Objectives ———				
At the end of Review imp	of the course, students will	be able to: • De	escribe and explain various systems development lifecycles and methodologies.	•	
implementii	Review important issues in systems implementation and system operations, including the technical, managerial and interpersonal aspects of implementing enterprise systems in organizations. Discuss how technical and organizational factors work together to ensure success of				
system impl specification	ementation • Explain the s is conducting business co	systems impleme intinuation plant	entation process, including scope and requirements determination, developing t ning, disaster recovery and business impact analysis, risk analysis, security analysis.	echnical	
quality assu	rance and testing • Constru	uct a small-scale	business application within Microsoft Office	/ 313,	
Topical-0	116				
		on 2 The context	ct of system development 3 Review of system analysis 4 Review of system desig	n 5	
Object-orier	ited analysis 6 7 Objects ir	n Microsoft Offi	ice 8 Midterm Exam 9 Object-oriented design 10 11 Database design 12 Micros	oft	
		ipiementation 1	4 System operation and support 15 Group project presentations 16 Final Exam		
- Evaluatio					
Undergrad	uate				
A 90 -	100				
B 80 -	89				
C 70 -	79				
D 60 -	69				
F <	60	2011/6			
20% Midter	m Exam 20% Final Exam	20% Group Pro	oject 30% Individual assignments 3@10% 10% Class Participation		
—Syllabus —					
Upload File:	MGT4540-20150925095	5800.doex			
Description	: MGT4540 sample sylfal	bus			

User ID: janism

Name:

Janis Miller

Date:

09/25/2015 Number: 10999

000411

Change Undergraduate Course - Curriculum & Course Change System	9/2-/2-45	
Chair, Department Curriculum Committee	000412	Date
Department Chair	9-25-15	Date
Chair, College Curriedum Committee	10/9/15	Date
College Dean	10/17/1)	Date
Director, Calhoun Honors Collège		
Jon 11 10 All	11/6/2010	Date
Chair, Undergraduate Curriculum Committee		Date
Chair, Graduate Curriculum Committee Revert 18 Areo	2/11/16	Date
Provost		Date
President		Date

MGT 4540: Systems Implementation (EXISTING COURSE INCLUDED TO ILLUSTRATE 4-COURSE EMPHASIS AREA)

Course Information

Class Time:

Classroom:

1. 5

Course Web Page:

Instructor:

Office:

Office Hours:

Email:

Course Description

Builds upon skills of programming, database, and systems analysis and design by involving students with the later phases of the systems development life cycle (SDLC). Students design and develop a system using various platforms. Focus is on the logical and physical system design. (Prerequisite MGT 3180)

Objectives:

At the end of the course, students will be able to:

- Describe and explain various systems development lifecycles and methodologies.
- Review important issues in systems implementation and system operations, including the technical, managerial and interpersonal aspects of implementing enterprise systems in organizations
- Discuss how technical and organizational factors work together to ensure success of system implementation
- Explain the systems implementation process, including scope and requirements determination, developing technical specifications, conducting business continuation planning, disaster recovery and business impact analysis, risk analysis, security analysis, quality assurance and testing
- Construct a small-scale business application within Microsoft Office

Textbooks and Materials

(Required) Jeffrey L. Whitten & Lonnie D. Bentley (2007) Systems Analysis & Design Methods (7th Edition), McGraw-Hill Irwin, New York, NY, U.S.A. Eight selected chapters in a custom edition.

Microsoft Excel and Access 2013

Academic Integrity

From the "Academic Integrity" policy under "Academic Regulations" in the Clemson University's Undergraduate Announcements found on the Registrar's home page:

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a "high seminary of learning." Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

When, in the opinion of a faculty member, there is evidence that a student has committed an act of academic dishonesty, the faculty member shall make a formal written charge of academic dishonesty, including a description of the misconduct, to the Associate Dean for Curriculum in the Office of Undergraduate Studies. At the same time, the faculty member may, but is not required to, inform each involved student privately of the nature of the alleged charge.

Title IX

The Clemson University Title IX (Sexual Harassment) Statement: Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at http://www.clemson.edu/campus-life/campus-services/access/title-ix/

Mr. Jerry Knighton is the Clemson University Title IX Coordinator. He also is the Director of Access and Equity. His office is located at 111 Holtzendorrf Hall, 864.656.3181 (voice) or 864.565.0899 (TDD).

Accommodation of Students with Disabilities

Students with disabilities who need accommodations should make an appointment with the Director of Student Disability Services to discuss specific needs within the first month of classes. Students should present a Faculty Accommodation Letter from Student Disabilities Services and then meet with instructor to discuss specific accommodations. Note that accommodations are not retroactive and new Faculty Accommodation Letters must be presented each semester.

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Grading

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- F—Failed indicates that the student knows so little of the subject that it must be repeated in order that credit can be received.
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Item	Percent of Total
Midterm Exam	20%
Final Exam	20%
Group Project	20%
Individual assignments 3@10%	30%
Class Participation	10%

Group Project

To further integrate course concepts, each group will develop a very basic application for a business of your choice. You will also need to do a presentation on your project in the final week of the class. Specifics regarding topic, page length requirement, writing style, and the presentation, will be given

TENTATIVE SCHEDULE

Week Numbe	Торіс	Chapter	Assignments
1 r	Course Introduction		
-	The context of system		
2	development	1	
3	Review of system analysis	2	
4	Review of system design	3	
5	Object-oriented analysis	4	Assignment 1 due
6			
7	Objects in Microsoft Office		HAIN
8	Midterm Exam		
9	Object-oriented design	5	
10			Assignment 2 due
11	Database design	6	
12	Microsoft Access		
13	System construction and implementation	7	Assignment 3 due
14	System operation and support	8	
15	Group project presentations		Group project due
16	Final Exam		

Change Major					AAAAA
Major Name:	Management				N. K. K. C. C.
Degree:	Bachelor of Science				
Effective Catalog Year	: 2016-2017				
Change Major Nam	e to: MGT	Curriculum	MGT COURSEMA		angeProposal-
Change Degree to:	Bachelor of Science	Map:	20150925105228.		
Change Curriculum	n Requirements	Description:	BSMGTCurricul	umMap	
Change General Ed	lucation Requirements	Additional			
Add, Change, or D	elete Concentration(s)	Information:			
Add, Change, or D	elete Emphasis Area(s)	Description:			
Summary/Explanati					
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/25/2015 / Major - Curriculum & Course Change System	_ / /	
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Chair, Department Curriculum Committee	(0000110	Date
posdaran	9-25-15	
Department Chair		Date
John M. Coggeshall	10/9/15	
Chair, College Curriculum Committee	, ,	Date
1 Vulie	10/17/15	
College Dean	,	Date
Director, Calhoun Honors College		Date
John D. Waffer	11/4/2015	
Chair, Undergraduate Curriculum Committee	,	Date
Chair, Graduate Curriculum Committee		Date
Robert 18 Jones	2/11/6	
Provost		Date
President		Date
test		

10

Second Semester

- 3 ENGL 3140 Technical Writing
- 4 GC 4400 Commercial Printing
- 3 Major Requirement²
- 3 Arts and Humanities (Non-Lit.) Requirement⁶
- 3 Elective

16

Summer

- 0 COOP 2020 Cooperative Education⁵
- $\underline{1}$ GC 4500 Graphic Comm. Internship II⁵

1

Senior Year

First Semester

- 4 GC 4440 Current Dev. and Trends in GC
- 3 MGT 3070 Human Resource Management or
 - 3 PSYC 3640 Industrial Psychology or
 - 3 PSYC 3680 Organizational Psychology
- 3 Graphic Communication Technical Req.
- 3 Major Requirement²
- 2 Elective

15

Second Semester

- 3 GC 4480 Planning and Controlling Printing Functions
- 2 GC 4800 Senior Seminar in Graphic Comm.
- 3 Major Requirement²
- 4 Elective

12

122 Total Semester Hours

- ¹Must include four credit hours in chemistry (CH 1010 or 1050) and four credit hours in physics (PHYS 1220/1240 or 2070/2090).
- ²Must be approved prior to registration. See advisor.
- ³Students who wish to minor in Business Administration may not select STAT 2300.
- ⁴Select any ENGL course from General Education Arts and Humanities (Literature) Requirement.
- One internship must be in a fall or spring semester (summer—at least 12 weeks; fall/spring—at least 15 weeks). GC 4550 will not substitute for 4500.
- 6See General Education Requirements. This course or three elective credit hours must also satisfy the Cross-Cultural Awareness Requirement.

MANAGEMENT

Bachelor of Science

The Bachelor of Science degree in Management prepares students for careers as professional managers in corporations, governmental organizations, and small businesses. In addition, the program provides a foundation for graduates who wish to pursue advanced degrees in business and public administration, law, and the social sciences.

The curriculum gives students a broad exposure to the functional areas of business and allows each to select an emphasis area in a subject that is germane to individual career interests. The Management curriculum provides an examination of the social, legal, political, and economic environments in which organizations must operate; an understanding of the functional areas of business and their interrelationships; and a knowledge of behavioral science, applied statistics, and mathematics as they relate to organizational problem solving. The program is accredited by AACSB International.

Students wishing to change majors into the management program must have a 2.0 or higher Clemson/Bridge cumulative grade-point average.

Combined Bachelor of Science/ Master of Science Degree Program

Under this plan, students may reduce the time necessary to earn both degrees by applying graduate credits to both undergraduate and graduate program requirements. Students may apply up to 12 hours of graduate credits to both the BS and MS degrees. To be eligible for this program, students must have a 3.4 or higher grade-point average, have completed at least 90 credits of coursework and have been admitted to the Graduate School prior to registering for graduate courses. Students in this program are conditionally accepted to the graduate program until they have completed all BS degree requirements.

Sophomore Year

First Semester

- 3 ACCT 2010 Financial Accounting Concepts
- 3 MGT 2010 Principles of Management¹
- 3 MGT 2180 Mgt. Personal Computer Appl. 1
- 3 STAT 3090 Introductory Business Statistics
- 3 Arts and Humanities (Non-Lit.) Requirement²

Second Semester

- 3 ACCT 2020 Managerial Accounting Concepts
- 3 MGT 3100 Intermediate Business Statistics¹
- 3 Arts and Humanities (Literature) Requirement²
- 3 Cross Cultural Awareness Requirement²
- 3 Elective

15

Iunior Year

First Semester

- 3 MGT 3180 Management of Info. Systems¹
- 3 MGT 3900 Operations Management¹
- 3 MKT 3010 Principles of Marketing
- 3 Emphasis Area Requirement^{1,3}
- 3 Support Area Requirement⁴

15

Second Semester

- 3 LAW 3220 Legal Environment of Business
- 3 MGT 3070 Human Resource Management¹ or 3 - MGT 4000 Mgt. of Organizational Behavior¹
- 3 MGT 3120 Decision Models for Management¹
- 3 Emphasis Area Requirement^{1,3}
- 3 Support Area Requirement⁴

15

Senior Year

First Semester

- 3 FIN 3060 Corporation Finance or 3 - FIN 3110 Financial Management I
- 3 Emphasis Area Requirement^{1,3}
- 6 Support Area Requirement⁴
- 3 Elective

15

Second Semester

- 3 MGT 4150 Business Strategy^{1,5}
- 3 MGT 4230 International Business Management¹
- 3 Emphasis Area Requirement^{1,3}
- 3 Support Area Requirement⁴
- 3 Elective

15

120 Total Semester Hours

Grade of C or better in this course is required to graduation.

²See General Education Requirements. If this requirement is met through the completion of another General Education requirement, students will have three additional elective hours. Students must complete 120 total hours. Note: Cross-Cultural Awareness Requirement may also be satisfied by some of these courses.

³Management majors must complete an emphasis area consisting of twelve hours beyond the coursework required by the management curriculum and the support area requirement. Students should choose ONE of the following ways to satisfy this requirement:

Entrepreneurship—ELE 3010, MGT (ELE) 3150 plus two courses from ECON (ELE) 3210, ELE 4010, 4990, MGT 4400, 4970, MKT (ELE) 3140, MKT 4200, 4250, 4260, 4270, 4280, 4290, 4300, SOC (ELE, POSC, PSYC) 3560.

Human Resource Management—Any four of the following courses, including at least two management courses not already taken in the basic curriculum: MGT 3070, 4000, 4160, 4250, 4310, 4350, 4360, 4400, PSYC 3640, 3680, 4350, 4710.

International Management—Any four of the following courses: ECON 3100, FIN 4110, LAW 4200, MGT 4240, 4440, MKT 4270, POSC 3610, 3620, 3670, 4290, and any international business courses approved in advance and taken as part of a study abroad experience.

Management Information Systems—MGT 4110, 4520; and two courses from CPSC 4620, MGT 4300 (topic must be approved in advance by advisor), 4540, 4550, 4560.

Operations Management—MGT 4020; and two courses from MGT 4080, 4110, 4270; and one course from MGT 4040, 4120, 4440.

Supply Chain Management—MGT 4120, 4240; and two courses from MGT 3050, 3170, 4020, 4080, 4270, 4440, MKT 4260.

General Management—Any four 3000 or 4000-level management courses.

⁴Management majors must complete a support area consisting of fifteen hours beyond the coursework required by the management curriculum and the management emphasis area requirement. Students should choose ONE of the following two ways to satisfy this requirement: (1) Declare and complete a minor requiring AT LEAST 15 hours of additional coursework; or (2) Complete 15 hours of coursework selected from the approved list of management support courses.

⁵MGT 4150 must be taken at Clemson University.

Note: At least 50 percent of the total credits taken in ACCT, ECON, ELE, FIN, LAW, MGT, and MKT must be taken at Clemson University.

MARKETING

Bachelor of Science

The Bachelor of Science degree program in Marketing develops an understanding of various aspects of marketing. The curriculum prepares students for professional marketing careers in industry, government, or the nonprofit sector. Graduates are also well prepared for entrance into the Master of Business Administration, law, or other graduate programs. For students who want a general perspective of marketing, the curriculum provides a broad range of subjects with the flexibility to tailor courses by choosing areas that enhance career preparation in various areas of marketing. Subjects include promotional strategy, professional selling, sales management, public and nonprofit marketing, entrepreneurship, marketing research, product management, marketing management, and international marketing. The Marketing curriculum provides the conceptual, quantitative, and analytical skills necessary to function in a dynamic business environment. The Marketing degree is accredited by AACSB International.

Students wishing to change majors into the Marketing program must have a Clemson/Bridge cumulative grade-point average of 3.0 or higher. Students must also have completed the Pre-Business Program.

MANAGEMENT

Bachelor of Science

The Bachelor of Science degree in Management prepares students for careers as professional managers in corporations, governmental organizations, and small businesses. In addition, the program provides a foundation for graduates who wish to pursue advanced degrees in business and public administration, law, and the social sciences.

The curriculum gives students a broad exposure to the functional areas of business and allows each to select an emphasis area in a subject that is germane to individual career interests. The Management curriculum provides an examination of the social, legal, political, and economic environments in which organizations must operate; an understanding of the functional areas of business and their interrelationships; and a knowledge of behavioral science, applied statistics, and mathematics as they relate to organizational problem solving. The program is accredited by AACSB International.

Students wishing to change majors into the management program must have a 2.0 or higher Clemson/Bridge cumulative grade-point ratio.

Combined Bachelor of Science/Master of Science Degree Program

Under this plan, students may reduce the time necessary to earn both degrees by applying graduate credits to both undergraduate and graduate program requirements. Students may apply up to 12 hours of graduate credits to both the BS and MS degrees. To be eligible for this program, students must have a 3.4 or higher grade-point average, have completed at least 90 credits of coursework and have been admitted to the Graduate School prior to registering for graduate courses. Students in this program are conditionally accepted to the graduate program until they have completed all BS degree requirements.

Sophomore Year

First Semester

- 3 ACCT 2010 Financial Accounting Concepts
- 3 MGT 2010 Principles of Management¹
- 3 MGT 2180 Mgt. Personal Computer Appl. or 3 CPSC 2200 Microcomputer Applications 1
- 3 STAT 3090 Introductory Business Statistics
- <u>3 -</u> Arts and Humanities (Non-Lit.) Requirement²

Second Semester

- 3 ACCT 2020 Managerial Accounting Concepts
- 3 MGT 3100 Intermediate Business Statistics¹
- 3 Arts and Humanities (Literature) Requirement²
- 3 Cross Cultural Awareness Requirement²
- 3 Elective

15

Junior Year

First Semester

- 3 MGT 3070 Human Resource Management¹ or 3 MGT 4000 Mgt. of Organizational Behavior¹
- 3 MGT 3180 Management of Information Systems¹
- 3 MGT 3900 Operations Management¹
- 3 MKT 3010 Principles of Marketing
- 3 Support Area Requirement³

15

Second Semester

- 3 LAW 3220 Legal Environment of Business
- 3 MGT 3120 Decision Models for Management¹
- 6 Emphasis Area Requirement^{1,3}
- <u>3 -</u> Support Area Requirement⁴

15

Senior Year

First Semester

- 3 FIN 3060 Corporation Finance or
 - 3 FIN 3110 Financial Management I
- 3 Emphasis Area Requirement¹,³
- 6 Support Area Requirement⁴
- <u>3</u> Elective

15

Second Semester

- 3 MGT 4150 Business Strategy¹,⁵
- 3 MGT 4230 International Business Management¹
- 3 Emphasis Area Requirement^{1,3}
- 3 Support Area Requirement⁴
- 3 Elective

15

120 Total Semester Hours

¹Grade of C or better in this course is required for graduation.

²See General Education Requirements. If this requirement is met through the completion of another General Education requirement, students will have three additional elective hours. Students must complete 120 total hours. *Note:* Cross-Cultural Awareness Requirement may be satisfied by some of these courses.

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- Business Analytics-MGT 3500, 3510, 4500, 4540.
- Entrepreneurship—ELE 3010, MGT (ELE) 3150 plus two courses from ECON (ELE) 3210, ELE 4010, 4990, MGT 4400, 4970, MKT (ELE) 3140, MKT 4200, 4250, 4260, 4270, 4280, 4290, 4300, SOC (ELE, POSC, PSYC) 3560.
- Human Resource Management—Any four of the following courses, including at least two management courses not already taken in the basic curriculum: MGT 3070, 4000, 4160, 4250, 4310, 4350, 4360, 4400, PSYC 3640, 3680, 4350, 4710.
- International Management—Any four of the following courses: ECON 3100, FIN 4110, LAW 4200, MGT 4240, 4440, MKT 4270, POSC 3610, 3620, 3670, 4290, and any international business courses approved in advance and taken as part of a study abroad experience.
- Management Information Systems—MGT 4110, 4520; and two courses from CPSC 4620, MGT 4300 (topic must be approved in advance by advisor), 4540, 4550, 4560.
- Operations Management—MGT 4020; and two courses from MGT 4080, 4110, 4270; and one course from MGT 4040, 4120, 4440.
- Supply Chain Management—MGT 4120, 4240; and two courses from MGT 3050, 3170, 4020, 4080, 4270, 4440, MKT 4260.
- General Management—Any four 3000- or 4000-level management courses.
- ⁴Management majors must complete a support area consisting of fifteen hours beyond the coursework required by the management curriculum and the management emphasis area requirement. Students should choose ONE of the following two ways to satisfy this requirement:
 - (1) Declare and complete a minor requiring AT LEAST 15 hours of additional coursework; or
- (2) Complete 15 hours of coursework selected from the approved list of management support courses.
- ⁵MGT 4150 must be taken at Clemson University.
- Note: At least 50 percent of the total credits taken in ACCT, ECON, E L E, FIN, LAW, MGT, and MKT must be taken at Clemson University.