



ARIZONA STATE UNIVERSITY

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GENERAL STUDIES PROGRAM COURSE PROPOSAL COVER FORM

Courses submitted to the GSC between 2/1 and 4/30 if approved, will be effective the following Spring.

Courses submitted between 5/1 and 1/31 if approved, will be effective the following Fall.

(SUBMISSION VIA ADOBE.PDF FILES IS PREFERRED)

DATE 3/5/2010

1. ACADEMIC UNIT: Information Systems

2. COURSE PROPOSED: CIS 236 Honors Info. Systems 3
(prefix) (number) (title) (semester hours)

3. CONTACT PERSON: Name: Angelina Saric Phone: 480-965-4974

Mail Code: 4606 E-Mail: angelina.saric@asu.edu

4. ELIGIBILITY: New courses must be approved by the Tempe Campus Curriculum Subcommittee and must have a regular course number. For the rules governing approval of omnibus courses, contact the General Studies Program Office at 965-0739.

5. AREA(S) PROPOSED COURSE WILL SERVE. A single course may be proposed for more than one core or awareness area. A course may satisfy a core area requirement and more than one awareness area requirements concurrently, but may not satisfy requirements in two core areas simultaneously, even if approved for those areas. With departmental consent, an approved General Studies course may be counted toward both the General Studies requirement and the major program of study. (Please submit one designation per proposal)

Core Areas

Awareness Areas

- Literacy and Critical Inquiry-L
Mathematical Studies-MA CS
Humanities, Fine Arts and Design-HU
Social and Behavioral Sciences-SB
Natural Sciences-SQ SG

- Global Awareness-G
Historical Awareness-H
Cultural Diversity in the United States-C

6. DOCUMENTATION REQUIRED.
(1) Course Description
(2) Course Syllabus
(3) Criteria Checklist for the area
(4) Table of Contents from the textbook used, if available

7. In the space provided below (or on a separate sheet), please also provide a description of how the course meets the specific criteria in the area for which the course is being proposed.

CROSS-LISTED COURSES: [X] No [] Yes; Please identify courses: CIS 105

Is this amultisection course?: [] No [X] Yes; Is it governed by a common syllabus? Yes

Michael Goul
Chair/Director (Print or Type)

Michael Goul
Chair/Director (Signature)

Date: 3/5/2010

Arizona State University Criteria Checklist for

MATHEMATICAL STUDIES [CS]

Rationale and Objectives

The **Mathematical Studies** requirement is intended to ensure that students have skill in basic mathematics, can use mathematical analysis in their chosen fields, and can understand how computers can make mathematical analysis more powerful and efficient. The **Mathematical Studies** requirement is completed by satisfying both the **Mathematics [MA]** requirement and the **Computer/Statistics/Quantitative Applications [CS]** requirement explained below.

The **Mathematics [MA]** requirement, which ensures the acquisition of essential skill in basic mathematics, requires the student to complete a course in College Mathematics, College Algebra, or Precalculus, or demonstrate a higher level of skill by completing a mathematics course for which any of the first three courses in a prerequisite.

The **Computer/Statistics/Quantitative Applications [CS]** requirement, which ensures skill in real world problem solving and analysis, requires the student to complete a course that uses some combination of computers, statistics, and mathematics.

Approved: Feb. 2000

Proposer: Please complete the following section and attach appropriate documentation.

ASU--[CS] CRITERIA			
A COMPUTER/STATISTICS/QUANTITATIVE APPLICATIONS [CS] COURSE MUST SATISFY ONE OF THE FOLLOWING CRITERIA: 1, 2, OR 3			
YES	NO		Identify Documentation Submitted
		1. Computer applications*: courses must satisfy both a and b:	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Course involves the use of computer programming languages or software programs for quantitative analysis, modeling, simulation, animation, or statistics.	course schedule
		b. Course requires students to analyze and implement procedures that are applicable to at least one of the following problem domains (check those applicable):	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	i. Spreadsheet analysis, systems analysis and design, and decision support systems.	course schedule
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ii. Graphic/artistic design using computers.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	iii. Music design using computer software.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	iv. Modeling, making extensive use of computer simulation.	course schedule
<input checked="" type="checkbox"/>	<input type="checkbox"/>	v. Statistics studies stressing the use of computer software.	course schedule
<p>*The computer applications requirement cannot be satisfied by a course, the content of which is restricted primarily to word processing or report preparation skills; learning a computer language or a computer software package; or the study of the social impact of computers. Courses that emphasize the use of a computer software package or the learning of a computer programming language are acceptable, provided that students are required to understand, at an appropriate level, the theoretical principles embodied in the operation of the software and are required to construct, test, and implement procedures that use the software to accomplish tasks in the applicable problem domains.</p>			
		2. Statistical applications: courses must satisfy both a and b.	
<input type="checkbox"/>	<input type="checkbox"/>	a. Course has a minimum mathematical prerequisite of College Mathematics, College Algebra, or Precalculus, or a course already approved as satisfying the MA requirement.	
<input type="checkbox"/>	<input type="checkbox"/>	b. The course must be focused principally on developing knowledge in statistical inference and include coverage of all of the following:	

ASU--[CS] CRITERIA			
YES	NO		Identify Documentation Submitted
<input type="checkbox"/>	<input type="checkbox"/>	i. Design of a statistical study.	
<input type="checkbox"/>	<input type="checkbox"/>	ii. Summarization and interpretation of data.	
<input type="checkbox"/>	<input type="checkbox"/>	iii. Methods of sampling.	
<input type="checkbox"/>	<input type="checkbox"/>	iv. Standard probability models.	
<input type="checkbox"/>	<input type="checkbox"/>	v. Statistical estimation	
<input type="checkbox"/>	<input type="checkbox"/>	vi. Hypothesis testing.	
<input type="checkbox"/>	<input type="checkbox"/>	vii. Regression or correlation analysis.	
		3. Quantitative applications: courses must satisfy both a and b.	
<input type="checkbox"/>	<input type="checkbox"/>	a. Course has a minimum mathematical prerequisite of College Mathematics, College Algebra, or Precalculus, or a course already approved as satisfying the MA requirement.	
		b. The course must be focused principally on the use of mathematical models in quantitative analysis and design making. Examples of such models are:	
<input type="checkbox"/>	<input type="checkbox"/>	i. Linear programming.	
<input type="checkbox"/>	<input type="checkbox"/>	ii. Goal programming.	
<input type="checkbox"/>	<input type="checkbox"/>	iii. Integer programming.	

ASU--[CS] CRITERIA			
YES	NO		Identify Documentation Submitted
<input type="checkbox"/>	<input type="checkbox"/>	iv. Inventory models.	
<input type="checkbox"/>	<input type="checkbox"/>	v. Decision theory.	
<input type="checkbox"/>	<input type="checkbox"/>	vi. Simulation and Monte Carlo methods.	
<input type="checkbox"/>	<input type="checkbox"/>	vii. Other (explanation must be attached)	

Course Prefix	Number	Title	Designation

Explain in detail which student activities correspond to the specific designation criteria.
Please use the following organizer to explain how the criteria are being met.

Criteria (from checksheet)	How course meets spirit (contextualize specific examples in next column)	Please provide detailed evidence of how course meets criteria (i.e., where in syllabus)

Description of how the course meets the specific criteria in the area for which the course is being proposed

Days/ homework assignments correspond to Spring Daily Schedule (attached)

Criteria 1 a. Computer Programming Languages the students are exposed are as follows:

SAS E-Miner, Micro Strategy, Cognos OLAP, Access, MySQL –
homework assignment 8;
lectures/discussion and in-class demos weeks 8 and 15

Criteria 1 b. i) Spreadsheet programs:

Excel – homework assignments 3, 9, 10, 12;
lectures/discussion and in-class demos weeks 4, 11, and 12

Criteria 1. B iv) Modeling: Entity Relationship Diagrams, Business Process Diagrams –

Access homework assignments 4, 5, and 6 ;
lectures/discussion and in-class demos weeks 5, 6 (Access for database modeling)
week10 (use Innov8 software and Visio for business process modeling)

1. B) v) Statistics

Sas E-Miner, Excel Data Analysis, Charts, Graphs

Lectures/discussion and in-class demos Weeks 10-13, and 15

CIS 236 – Introduction to Information Systems
Spring 2010 Syllabus
W. P. Carey School of Business

Instructor:	Dr. Sule Balkan	Last Updated: 01/14/2010
Office:	BA 252J	
E-Mail:	sule.balkan@asu.edu	
Phone:	480-965-8488	
Office Hours:	T-Th 1:30-2:30 PM or by appointment	
Course Web Page:	myasucourses.asu.edu	

Course Description and Objectives

Information Technology is rapidly changing the business world. The objective of this course is to introduce you to strategic information systems through a combination of readings, hands-on activities, research, projects and lecture. During this semester, you will learn about the competitive and strategic uses of information systems, how information systems are transforming organizations and their management, and the issues, difficulties, and opportunities facing the technology professional and business manager today.

CIS235 is considered a survey course. What this means is that you will be learning a little bit about everything in hopes that it will give you a better perspective into the exciting field of information systems. Subsequent courses will allow you to delve deeper into each of the technologies you learn about in this course.

During this course, you will develop your IT skills through both individual and team assignments. The course will culminate with the preparation and evaluation of learning modules relating to the content covered in this course. Some of the important topics covered in this course include:

- Information System Concepts & Management
- Business Processes & Competitive Advantage
- Databases & ER Diagram Modeling
- Business Intelligence, Reporting, Data Mining
- Functional & Enterprise Information Systems
- Systems Development Life Cycle
- Object-Oriented Analysis & Design

The course schedule and assignments will be posted on the class web site. The instructor may deviate from the schedule if necessary; however, any such changes will be announced in-class and posted on the class web site. The topics covered in this course are not that difficult to master, but due to the volume of information, students will need to put forth a substantial amount of effort to keep up. Students will need to dedicate time outside of class for their class assignments.

Course Materials

Textbook: **Experiencing MIS**
Author: David M. Kroenke
Publisher: Pearson/Prentice Hall, Second Edition
ISBN: 9780136078685

Additional Reading:
Super Crunchers: Why Thinking-By-Numbers is the New Way To Be Smart
(Paperback)
by Ian Ayres
Publisher: Bantham

Other case studies will be posted on Blackboard

Class Attendance

Class attendance is necessary to achieve the maximum benefit from this class. Attendance requires that students arrive on time and stay for the entire class. Students who come to class and drop off their assignments and then leave will not be given attendance credit. An attendance sheet will be passed around at the beginning of each class.

If a student is unable to attend class for any reason, they should notify the instructor as soon as possible by email. The student should also contact one of their classmates to review what was discussed in class.

In-Class Participation

The format of this class involves a lot of class discussion and critical thinking on your part. You are expected to show up to class and actively participate in the class discussion.

Homework Assignments

Homework assignments will require students to apply the knowledge of the material they are currently studying. It is important that students do their own homework to insure mastery of the course materials. All homework assignments must be word processed and turned in at the beginning. No exceptions.

Each student is expected to turn in his/her own assignment. Please do not give your assignment to another student to be turned in. This is not allowed and will result in a ZERO for both students involved as well as possible academic dishonesty charges.

Grading Policy

Grading rubrics have been provided. All assignments will be graded on the following:

1. **Completeness:** Degree of completion of all assigned work.
2. **Correctness:** The accuracy of the submission.
3. **Grammar and Spelling**
4. **Documentation:** Proper documentation and format as outlined in-class.

To be fair to everyone, a student must submit all assigned course work on time as denoted on the course schedule, in order for it to be accepted. Assignments will not be accepted late. This policy will be strictly enforced. Please do not ask your instructor to accept your work late!

Group Project

Information Systems help businesses achieve their goals and objectives. As part of the course, you will work in a team of 2 to study how a company has successfully implemented an information system. Your team will write a report (10 pages maximum; 12 point font; double-spaced with 1" margin) and present the key findings from your project to the class. Each group will study a different firm; therefore, you should sign up as soon as your team has decided on a company and a presentation date. There are two presentation dates available. As part of the project, your team will answer the following questions:

1. Provide an overview of the company studied.
2. What are the firm's business goals and objectives?
3. What information system did the firm choose to meet its goals and objectives?
4. How does the information system work?
 - What are the functionalities of the system?
 - What data does it capture?
 - What hardware/software is required?
5. Who are the people that interact with the information system and how do they use it?
6. How does the information system help the firm achieve a strategic advantage?

Each group will receive up to 10 minutes for the presentation and all members must present. For this project, each team member will receive an individual contributor grade up to 20 points, and all team members will receive the same grade for the paper up to a maximum of 80 points. Grading rubrics is posted on blackboard. A copy of the presentation slides will be turned in with the final paper. Every individual will complete a peer evaluation for each team member. Turn in the peer evaluation forms in a sealed envelope on the day that the paper is due. Make sure that the envelope bears your Company name, signature and full name printed on the outside. The final written report is due 4/14!

Examinations

Two exams will be administered during this course as outlined in the class schedule. The final exam is comprehensive. If a student misses an exam, the instructor will need a documented reason to give them a make-up test. Make-up exams may be administered at the end of the semester or sooner at the discretion of the instructor. Please notify your instructor as soon as possible via email if you are going to miss an examination.

Weekly Quizzes

Weekly quizzes/class participation exercises will be given on any class day by the instructor to check to see how the class is keeping up with the materials covered.

Course Grading

Grades for this class will be based on course activities as outlined in the class schedule. Students must complete **all major** course assignments or the instructor may assign the grade of E. Grades will be assigned based upon 90+ is an A, 80 – 89.99 is a B, 70 – 79.99 is a C and 60 – 69.99 is a D, below 60 is an E.

Attendance:	10 %
Quizzes	15 %
Homework Assignments:	15 %
Group Project (team of 2)	20 %
Midterm:	20 %
Final Exam:	20 %
Total:	100 %

Academic Dishonesty

Students are expected to abide by the highest standards of ethical conduct and the College of Business Student Academic Integrity Policy. The business curriculum is structured primarily to produce graduates who possess the knowledge and skills necessary for success in their professional careers. These skills include the ability to reason through a situation involving an ethical dilemma. Applying appropriate professional behavior as a student will develop into professional integrity when you enter your profession.

Academic dishonesty will not be tolerated in this course. The College of Business has established the following Academic Dishonesty Policy:

All students assume as part of their obligation to the University the responsibility to exhibit in their academic performance the qualities of honesty and integrity. All forms of student dishonesty, including cheating, fabrication, facilitating academic dishonesty, and plagiarism are subject to disciplinary action. The Code of Conduct and Student Disciplinary Procedures as adopted by the Arizona Board of Regents applies.

Specifically, the following actions are considered inappropriate conduct in this class:

- Providing or accepting assistance on homework and examinations (cheating by any method or means, including sharing information between class sections). Submitting any work that does not represent the students currently knowledge of the material submitted.
- Behaviors which are disruptive, which are insensitive, or which directly or indirectly inhibit others from working toward their academic goals.
- Behaviors which are disrespectful to classmates or to the instructor. This includes but is not limited to the following behaviors:
 - Showing up late for class
 - Doing homework for another class during the normally scheduled class time
 - Using your laptop (surfing the web) for anything other than class business
 - Talking during inappropriate times
 - Listening and or viewing audio/video devices during class
 - Not turning off your cell phone, beeper, etc.
 - Sleeping in class
 - Using any materials that are not class related (i.e. – newspapers, crossword puzzles, etc.)
 - Any other behavior that is not directly related to the content of the course
- Submitting work derived by another student or preparing work for another that is to be used as that person's own work. Using work of another constitutes plagiarism. Evidence of shared work will result in a grade of zero for all parties involved and subject to immediate removal and failure of the course.
- Lying to your instructor to receive a better grade, or allowance for a late assignment is considered an ethical breach of conduct.

In summary, students are expected to make an ethical and moral commitment to act appropriately in all academic activities and to not tolerate any dishonorable behavior on the part of other students. **Any breach** of academic dishonesty may result in **removal from this class.**

Class Schedule-Spring 2010-CIS 236*

Week No.	Date & Day of Week	Assignments Due	Class Activity
1	01/20 W	<ul style="list-style-type: none"> Show up to class! © Buy the books ASAP! 	<ul style="list-style-type: none"> Class Orientation Discussion Complete Student Survey Quiz 1
2	01/25 M	<ul style="list-style-type: none"> Read Course Syllabus Read Chapter 1 & CE 1 & CE 2 – IS in the Life of Business Professionals 	<ul style="list-style-type: none"> CH 1 & CE 1 & CE 2 Discussion Quiz 2
2	01/27 W	<ul style="list-style-type: none"> Read the 3 Ethics Cases posted on the course site Complete HW 1 Ethics 	<ul style="list-style-type: none"> Discuss ethics cases 1, 2 & 3 Turn in HW 1: Ethics
3	02/01 M	<ul style="list-style-type: none"> Read Chapter 2 & CE 3 – Business Processes, Information, and IS 	<ul style="list-style-type: none"> CH 2 & CE 3 Discussion Quiz 3
3	02/03 W	<ul style="list-style-type: none"> Read Chapter 3 & CE 4 – Competitive Advantage 	<ul style="list-style-type: none"> CH 3 & CE 4 Discussion
4	02/08 M	<ul style="list-style-type: none"> Read Harrah's Case and Work on Homework 2 	<ul style="list-style-type: none"> Harrah's Case Discussion Turn in Homework 2 Last Day to Turn in Group Project Topic and Members
4	02/10 W	<ul style="list-style-type: none"> Read Chapter 4 – Hardware & Software Work on Excel Tutorial HW3 	<ul style="list-style-type: none"> Hardware and Software Discussion Quiz 4 Turn in HW 3 on Excel Tutorial
5	02/15 M	<ul style="list-style-type: none"> Read Chapter 5 – Database Processing Work on HW 4 	<ul style="list-style-type: none"> CH 5 Discussion Creating Data Bases Working on Access HW4-Turn in Access Tutorial
5	02/17 W	<ul style="list-style-type: none"> Read CE 7 – Database Design Work on HW5 	<ul style="list-style-type: none"> CE 7 Discussion Access Quiz 5 Turn in HW 5: ERD
6	02/22 M	<ul style="list-style-type: none"> Work on HW 6 	<ul style="list-style-type: none"> Guest Speaker Prof. Julie David Smith on Web 2.0 HW 6- Access
6	02/24 W	<ul style="list-style-type: none"> CE 9-Read Excel and Access 	<ul style="list-style-type: none"> Guest Speaker Trent Spaulding
7	03/01 M	<ul style="list-style-type: none"> Review Exam 1 slides HW 7- Prepare 5 Exam questions 	<ul style="list-style-type: none"> Exam 1 Review Session Turn in HW 7
7	03/03 W	Study for Midterm	Take Midterm Exam
8	03/08 M	<ul style="list-style-type: none"> SQL Read Super Crunchers CH1-2 	<ul style="list-style-type: none"> Introduction to SQL

8	03/10 W	<ul style="list-style-type: none"> Prepare your Project Status report with your group Read Ch 7 	<ul style="list-style-type: none"> HW 8-Status Update on Project Ch 7 Business Process Management and CE 11, 12-13 Quiz 6 on CH 7
9	03/15-17	SPRING BREAK	
10	03/22 M	<ul style="list-style-type: none"> Read the instructions on IBMs innov8 game Complete HW 8-SQL Read Super Crunchers CH 3-4 	<ul style="list-style-type: none"> HW 8- SQL Innov8 or Visio process flow diagram activity
10	03/24 W	<ul style="list-style-type: none"> Read CH 8 Read Super Crunchers CH 5-6 	<ul style="list-style-type: none"> Quiz 7 on CH 8 CH 8 Discussion
11	03/29 M	<ul style="list-style-type: none"> Read CH 9 -BI Work on HW9 	<ul style="list-style-type: none"> Guest Speaker Dr. Barbara Dinter Turn in HW 9-Excel Tutorial 2
11	03/31 W	<ul style="list-style-type: none"> Read Super Crunchers 7-8 Work on HW10-Excel 	<ul style="list-style-type: none"> Guest Speaker Dr. Barbara Dinter Turn in HW 10-Excel Tutorial 3
12	04/05 M	<ul style="list-style-type: none"> Super Crunchers Discussion 	<ul style="list-style-type: none"> HW 11-Turn in power point presentations on Super Crunchers Individual presentations
12	04/07 W	<ul style="list-style-type: none"> Read Competing on Analytics Paper posted on Blackboard 	<ul style="list-style-type: none"> Competing on Analytics Discussion Tom Davenport Presentation discussion Excel Pivot Tables Quiz 8
13	04/12 M	<ul style="list-style-type: none"> Work on Pivot Tables HW 12 Work on finalizing papers 	<ul style="list-style-type: none"> Meet at Decision Theatre Turn in HW 12
13	04/14 W	<ul style="list-style-type: none"> Group Presentations 	<ul style="list-style-type: none"> Group Presentations Turn in papers and presentations
14	04/19 M	<ul style="list-style-type: none"> Read Chapter 10 – IS Development (SDLC) 	<ul style="list-style-type: none"> Chapter 10 Discussion Quiz 9
14	04/21 W	<ul style="list-style-type: none"> Read CH 11 	<ul style="list-style-type: none"> Quiz 10 Service Level Agreements
15	04/26 M	<ul style="list-style-type: none"> Read Eden Case Study 	<ul style="list-style-type: none"> Eden Discussion
15	04/28 W	<ul style="list-style-type: none"> HW 13-Prepare 10 final Exam questions 	<ul style="list-style-type: none"> SAS Demo Turn in HW 13
16	05/03 M	<ul style="list-style-type: none"> Study for Final 	<ul style="list-style-type: none"> Final Exam Review
16	05/05 W	Reading Day	

Phyllis Lucie

From: Angelina Saric
Sent: Friday, March 05, 2010 3:28 PM
To: Phyllis Lucie
Cc: Michael Goul; Paul Steinbart; Sule Balkan; Kay Faris
Subject: FW: CIS 236 - General Studies CS designation
Attachments: gsd-cover-cis236.pdf; checklist-cs-cis236.doc; Criteria.doc; CIS 236 Syllabus _Spring 2010 __Balkan.pdf; CIS 236 Schedule _Balkan-Spring2010.pdf

Importance: High

Hi Phyllis,

Attached is the necessary material to have CIS 236 listed under the General Studies CS designation. CIS 236 is an Honors course that students take instead of CIS 105. CIS 105 has this designation. This course was new effective Fall 2009. When we created this course in ACRES, we assumed the designation would also be included since it's a substitute for CIS 105 for Honors students.

Please let me know how we can get this in the system as soon as possible for students currently in the course, and those that took it in Fall 2009.

Thank you.

Angelina

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