



SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): Business Administration	Academic Organization (Department): Management Information Systems	Date: 3/27/2007
Type of Course Proposal: New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	Department Chair: Monica Lam	Submitted by: Monica Lam
Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	For Catalog Copy: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CCE: Yes <input type="checkbox"/> No <input type="checkbox"/>	Semester Effective: Fall <input type="checkbox"/> Spring <input checked="" type="checkbox"/> , 2008 <input type="checkbox"/>

This course replaces experimental course Subject Area (prefix) and Catalog Number (course number):	
This Catalog Number (course number) is being replaced:	

Change from:

Subject Area (prefix) & Catalog No. (course no.):	Title:	Units:

Change to:

Subject Area (prefix) & Catalog No. (course no.):	Title:	Units:

JUSTIFICATION:

NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/acaf/univmanual/crspsl.htm> - Guidelines for Catalog Course Description)

MIS 170. IT Auditing, Security, and Architecture. IT auditing processes, tools, standards, security concepts, and asset protection measures in an information system enterprise environment. Emphasis on how to apply IT auditing, security, and architecture to achieve operational, managerial, and strategic goals of organizations. Prerequisite: MIS 140 and MIS 150. 3 units.

Note:

Prerequisite: MIS 140 and MIS 150

Corequisite:

CAN (California Articulation Number):

Graded: Letter <input checked="" type="checkbox"/> Credit/No Credit <input type="checkbox"/>	Instructor Approval Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Course Classification (e.g., lecture, lab, seminar, discussion): lecture	Title for SIS+/CMS (not more than 30 characters) MIS 170. IT Auditing, Security, and Architecture
Cross Listed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, do they meet together and fulfill the same requirement, and what is the other course.

How Many Times Can This Course be Taken for Credit? 1

Can the course be taken for Credit more than once during the same term? Yes No

FOR NEW COURSE PROPOSALS OR SUBSTANTIVE CHANGES ONLY:

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."
See the example at <http://www.csus.edu/acaf/example.htm>

Students will be able to:
(1) Understand IT auditing processes, tools, and standards.
(2) Understand different types of control and security measures for IT assets.
(3) Design IT auditing and security systems for different organizations.
(4) Develop and manage IT architecture to achieve operational, managerial, and strategic goals in organizations.

****Attach a list of the required/recommended course readings and activities [Note: it is understood that these are updated and modified as needed by the instructor(s).] This attachment should be forwarded only to your Dean's office, not Academic Affairs.**

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above:

Individual assignments, team projects, quizzes, and exams.

For whom is this course being developed?

Majors in the Dept Majors of other Depts ___ Minors in the Dept ___ General Education ___ Other ___

Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes ___ No

If yes, identify program(s):

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer facilities, faculty, etc.)? Yes ___ No


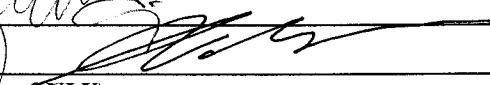
If yes, attach a description of resources needed and verify that resources are available.

Indicate which department or programs will be affected by the proposed course (if any). MIS area in the College of Business Administration

The Department Chair's signature below indicates that affected programs have been sent a copy of this proposal form.

Approvals: If proposed change, new course or deletion is approved, sign and date below. If not approved, forward without signing to the next reviewing authority, and attach an explanatory memorandum to the original copy.

Signatures:

	Date
Department Chair: 	3-3-08
College Dean or Associate Dean: 	
CPSP (for school personnel courses ONLY)	
Associate Vice President and Dean for Academic Programs	

Distribution: Academic Affairs (original), Department Chair and College Dean. Dean's office to send original after approval to Academic Affairs, at mail zip 6016. An electronic copy must also be sent.

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
College of Business Administration

MIS 170 – IT Auditing, Security, and Architecture

Course Outline

Instructor: [Inserted by instructor]

Office:

Phone:

E-mail:

Office Hours:

Sample Textbook: Core Components of Information Technology Auditing,
James E. Hunton, Stephanie, M. Bryant, Nancy A. Bagranoff,
Wiley, 2004

IT Auditing: Using Controls to Protect Information Assets,
Chris Davis, Mike Schiller, Kevin Wheeler,
McGraw-Hill, 2007

Course Description

IT auditing processes, tools, standards, security concepts, and asset protection measures in an information system enterprise environment. Emphasis on how to apply IT auditing, security, and architecture to achieve operational, managerial, and strategic goals of organizations. Prerequisite: MIS 140 and MIS 150. 3 units.

Goal

The goal of this course is to develop analytical and critical thinking skills for the development of IT controls and audit plans for enterprise IT operations environment.

Course Objective

The primary objectives of the course is

To understand, design and conduct IT audits for assuring managers that their IT operations environment supports the business goals and objectives

Subobjectives

- Identify and describe basic IS operations concepts.
- Identify and understand the IS audit process.
- Understand various types of IS audits, controls, tools and techniques.
- Design efficient and effective audit approaches regarding planning an audit, documenting work performed and collecting evidence to support work performed.
- Understand the standards of performance required by the profession.

Grades

	Points
Exams (2)	100
Final Exam	100
Project	100
Research paper	100
Homework Assignments (5)	<u>100</u>
Total:	500

Final letter grades will be assigned as follows:

450	-	500	A
400	-	449	B
350	-	399	C
300	-	349	D
	<	300	F

Topics

- Overview of IT audit
- Legal and ethical issues for IT auditors
 - Code of ethics
 - Irregular and illegal acts
 - Regulatory and legal issues
 - Computer crime and intellectual property
 - Privacy issues
- Information technology risks and controls
 - Identifying information technology risks
 - Assessing information technology risks
 - Identifying information technology controls
 - Documenting information technology controls

- Monitoring information technology risks and controls
- IT deployment risks
 - Developing strategic plans
 - Managing development projects
 - Acquiring software applications
 - Developing software applications
 - Changing and implementing software applications
- Managing the IT function
 - Organizing the IT function
 - Financing the IT function
 - Staffing the IT function
 - Directing the IT function
 - Controlling the IT function
- IT networks and telecommunications risks
 - Network and telecommunications technologies
 - Risks to IT network and telecommunications systems
 - IT network and telecommunications security
 - Auditing network security
- E-Business risks
 - E-business models
 - The technology of e-business
 - Understanding e-business risk
 - Specialized e-business applications
 - Managing third party providers
- Using computer assisted audit tools and techniques (CAATTS)
 - Introduction to CAATTS
 - Generalized audit software tools
 - Computer assisted IT audit techniques
- Conducting the IT audit
 - The IT audit life cycle
 - Four main types of IT audits
 - Using CobiT to perform an audit
- Fraud and forensic auditing
 - Understanding fraud
 - Responsibilities to detect fraud
 - Forensic auditing