SYLLABUS

\*\* Please note that this course syllabus is subject to change \*\*

MIS 610 – Information Systems for Leaders

[Fall 2017]

**Class**

Venue: BDC 163

Home page: <http://www.csub.edu/~ychoi2>

**Instructor**

Name: Yong Choi, PhD

Office: BDC 142

Office Hours: Before or after class

 Or by an appointment

Office Phone: 661 - 654 - 6691

Email Address: ychoi2@csub.edu

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**Course Objective**

Information and information systems (IS) are vital organizational resources and constitute an integral part of managerial decision making. It is important to understand how managers can effectively utilize IS to achieve organizational goals. The objective of this course is to train students to identify, understand, and resolve managerial issues surrounding the use and management of IS in organizations. The course adopts the perspective that, in a world where the half-life of a particular hardware or software technology is often measured in months, developing intuitions about the core concepts to assess and deploy Information Systems is more valuable to future managers than learning the intricate details of a specific technology. The focus of the course is to develop - through cases, lectures, discussions, examples, application development assignments, and a system analysis and design project - insights into when and how MIS can be used to create and enhance an organization’s competitive advantage.

**Required Materials**

* Management Information Systems for the Information Age, by Haag and Cummings, 9th Edition, 2008, Irwin-McGraw Hill, ISBN-13: 978-0073376851
* Other class materials (e.g., syllabus, class announcement, lecture note, take-home quiz…) are available on our class web site.

**Course Guidelines and Policies**

Microsoft Office is the ONLY official software for our university ("Microsoft Works" Not allowed). That is, whatever you are required to submit (i.e., assignment, project), you MUST use Microsoft Office.

Whatever required to submit (i.e., assignment), you must submit through the Blackboard submission link. Otherwise, it will not be accepted. If you’d like to avoid any type of problems, please submit using a PC in the school computer lab and also try to submit at least two days before the due date. When you submit the assignment/project/midterm exam, you MUST CLOSE the Microsoft office application (i.e., Word, PowerPoint, Excel and Access) COMPLETELY before you submit the file. Otherwise, you will receive ZERO POINT because ONLY title of your assignment/project/midterm exam file will be processed and accepted without including actual contents of your file. And if the assignment requires submit several files, you must submit all files together at once. That is, you must "UPLOAD" all the assignment files together at once.

Exam An exam will cover anything discussed in the class, readings in the textbook, or principles applied in the assignments. Students will be informed exact format of an exam prior to the exam. There is no make up.

Attendance Policy Class attendance is required. The CSUB Catalog states: “The responsibility of the faculty is to establish specific attendance regulations and make-up policies that will maximize student learning, while avoiding penalties, where practical and possible, for university-related absences." The course is structured such that those who regularly attend class develop a better understanding of course material and subsequently perform better than those who do not. More than three absences will negatively impact your final grade. If you are not attending class you cannot be participating in class. Note also that attendance for only part of a class is treated the same as an absence. There will be frequent announcements concerning course assignments. Therefore, you are responsible for any course changes I may announce throughout the quarter. Course changes are likely due to the discussion emphasis of this course that eliminates a rigid time schedule for reviewing course material. Class attendance will be checked without a notification.

**Note:** If you expect to be missing any significant class time (i.e., more than two consecutive classes) due to such events as marriage, honeymoon, vacation, work assignments, work travel, etc., you MUST notify me details of your absence by E-Mail prior to the absence. After you are retuned, you must submit proof document(s) (i.e., copy of flight ticket). If you fail to notify me, it will significantly negatively impact on your final grade.

Participation Class participation is an integral part of this course. Participation will be evaluated through my assessment of the quality of your class comments, and preparation for and participation in individual and group class exercises. Thorough preparation outside of class is very crucial to effective class participation. Participation will be used in determining where final grade cutoffs will be made. In addition, substantial extra credits will be awarded if you participate regularly.

Peer Group Evaluation Group evaluation is a part of the grading scheme. To prevent free riding in the group, the contribution of each member will be assessed. Each member is expected to submit a peer group evaluation at the end of the semester. Your evaluation is confidential. No one is allowed to see your peer group evaluation (except the instructor) until the quarter is completely over. It is *very important* that you contribute your share in the group assignment (which includes attending the group meetings, contributing your ideas, writing the paper, analyzing the case, etc). *Please remember that your final grade can be up or down graded significantly based on the evaluation result.*

Civility and Respectful Conduct No interference will be allowed while the class is in session. Since we use a smart classroom, any computer related interference such as web surfing without permission from the instructor, and typing (email, paper…) will not be allowed. Additionally, talking to your classmate during the lecture, leaving the class without any prior notification, and sending text message will also not be allowed. A penalty for the interference is very severe. Up to 30% penalty from your total score will be applied depending on the level of interference.

Late Policy All Students must be on time to the class. If you are late more than 20 minutes, that will be counted as ABSENCE. If you must late, you must notify me by Blackboard email (before 24 hours).

**Note:** The CSUB catalog states: “Faculty are obligated to recognize and respect student diversity, ideas, perceptions, and opinions. At the same time, faculty have a fundamental responsibility to maintain the integrity of the learning environment. When confronted by unreasonable disruption in the classroom, faculty are expected to initiate actions to correct such conditions. Such actions may result in disciplinary action ranging from removal from the classroom to formal disciplinary sanctions, including probation, suspension, or expulsion.”

Late work Policy Each assignment will have a posted due date. You can still submit your work after the due date. However, 25% penalty will be applied for each day late.Obviously, if your work is more than four days late, you will receive zero point. There are no exceptions. Submission of a written excuse from the appropriate person such as a medical doctor is the only acceptable form of excuse. This will result a minimum extension to the due date to complete your work.

Office Hours Office hours will be held so that you may simply drop in if you need to discuss anything related to the course, your curriculum, your career, etc. I encourage you to take advantage of this time. If you have questions regarding assignments (other than about what is expected), I will expect you to demonstrate you have already put a reasonable effortinto solving the problems and/or analyzing the reading material and discussion questions. In this manner, we'll both benefit the most from the consultations. Please do not use office hours to try to make up for a missed class. If you have a valid excuse for missing a one class, I will try to give you some direction in dealing with anything you might have missed; otherwise, please ask one of your classmates about what you have missed.

Computer Lab Policy The Lab policy by Dean’s office will be enforced all the time. Students are not allowed to stay in the MIS Lab without a faculty member present and students will not be allowed to loan the MIS lab pass card under no circumstances. There are no exceptions to this rule. Dean’s office established a formal security system. That system first involves the special security locks with the swipe card, second, an ironclad rule that no students (or other people except for faculty, IT or facilities personnel) are allowed in the Lab without a faculty member present.

Honor Code Students are expected to uphold the CSUB standard of conduct for students relating to academic dishonesty. 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, and assignments must be that student’s own work.

Classroom Conduct. I expect that everyone in this class (Instructor included) will conduct him/herself in a professional manner. It is the policy of the California State University, Bakersfield to not discriminate on the basis of sex, sexual orientation, disability, race, color, religion, national or ethic origin in its educational programs. The faculty of the School of Business and Public administration strongly support this policy.

**Course Activities**

You will be responsible for various in-class activities that will allow you to exercise your skills and knowledge, and stimulate your critical thinking. These activities include designing Internet home page/application, discussing cases, providing feedback to your classmates, making presentations, and presenting your views regarding the latest development in the area. These activities will help you develop and exercise skills that will be important in your future career as managers.

1. Quiz

A quiz will be given through Blackboard. Please visit the class website for detail information.

1. Case Discussion

This is a group activity. Case discussions are required using the Blackboard discussion board. Cases are selected from the textbook. The grade will be based on quality of discussions. Please visit the class website for detail information.

1. Assignment, Project and Paper

Individual (or group) Assignment, project, and paper will be given at the beginning. The format can be Vary. The specific instruction of each one will be posted on the class website. Please visit the class website for detail information.

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| **Summary of Activities** |   |
| [DB Assignment](file:///F%3A%5CMIS%20Class%202%5CMIS%5CAssignment%5CDB_Assignment.pdf) - 20 points - Data Files: [Employee](file:///F%3A%5CMIS%20Class%202%5CMIS%5CAssignment%5CEmployee.xlsx), [Order](file:///F%3A%5CMIS%20Class%202%5CMIS%5CAssignment%5COrder.xlsx), [Supplier](file:///F%3A%5CMIS%20Class%202%5CMIS%5CAssignment%5CSupplier.xlsx), and [CSUBbank](file:///F%3A%5CMIS%20Class%202%5CMIS%5CAssignment%5CCSUBbank.accdb) - Due: please refer to the class website | [DSS Assignment](file:///F%3A%5CMIS%20Class%202%5CMIS%20300%5C300Asmt%5Cmis300_DSSasmt.docx)  - 10 points - Due: please refer to the class website |
| [E-Commerce Group Project](file:///F%3A%5CMIS%20Class%202%5CMIS%5CClass_information%5CECguide_mis6100.htm) - 20 points - Due: please refer to the class website[Group Case Discussion](file:///F%3A%5CMIS%20Class%202%5CMIS%5CClass_information%5CCase_Study_Discussion.htm) - Total 40 points (5 points for each chapter) - chapters: 1, 2, 3, and 4 - Due: please refer to the class website - chapters: 5, 6, 7, and 8 - Due: please refer to the class website | Quiz:  - Total 21 points  - Each quiz 3 points (must take it thru Blackboard)Quiz 1, 2, and 3  - Due: please refer to the class websiteQuiz 4, 5, 6, and 7 - Due: please refer to the class website |
| [Big Data Paper](file:///F%3A%5CMIS%20Class%202%5CMIS%5CClass_information%5CBig%20Data%20Paper.htm) - 40 points - Due: please refer to the class website - Free Online: [Big Data Course](file:///F%3A%5CMIS%20Class%202%5CMIS%5CClass_information%5CHow%20to%20take%20the%20Big%20Data%20Course.pdf),  - Book: Big Data Analytics, Harness the Power of Big Data, and [Understanding Big Data](http://www.ibmbigdatahub.com/whitepaper/understanding-big-data-e-book) | [ArcGIS Online Course with assignment](file:///F%3A%5CMIS%20Class%202%5CMIS%5CClass_information%5CHow%20to%20take%20the%20ArcGIS%20Online%20Course.pdf) - 10 points - Due: please refer to the class website |

**Course Evaluation**

\* The grading scales are subject to change \*

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| Quiz Case DiscussionDB Assignment **Data Model Assignment** DSS AssignmentGIS Assignment                                E-Commerce ProjectBig Data PaperFinal Exam           **---------------------------------------------------**Possible Total Points                          | 21 Points40 Points20 Points**15 Points**10 points             10 points20 points40 points25 points**-------------------**201 points |

 A   (>= 190 points)1. (>= 180 points)

B+ (>= 160 points)  B   (>= 140 points)B-  (< 130) |  |

**Tentative Class Schedule**

* Please note that this class schedule is subject to change.
* Please visit our course website for the most current, accurate, and detail class schedule.

**Course Schedule**

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| **Week** | **In-Class** | **Online Chapters and Assignment** |
| **1** | Aug 29/31: [Introduction to Course](http://www.csub.edu/~ychoi2/MIS%20300/300ClassInfo/Syl_MIS.ppt) | Textbook: - [Chapter 1: The Information Age in Which You Live: Changing the Face of Business](http://www.csub.edu/~ychoi2/MIS/Lecture/Chap001.ppt) - [XLM A: Computer Hardware and Software](http://www.csub.edu/~ychoi2/MIS/Lecture/Module_A.ppt) |
| **2** | Sep 5/7: [Lecture - IS Revolution](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/01_IS%20revolution.pptx) | Microsoft Tutorial: - [Access 2013 Tutorial](https://support.office.com/en-us/article/Access-2013-videos-and-tutorials-a4bd10ea-d5f4-40c5-8b37-d254561f8bce) & [Access 2016 Tutorial](http://www.gcflearnfree.org/access2016/) |
| **3**&4 | Sep 12/14 and Sep 19/21Access Database: [Lecture 1](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ChoiAccess1.pptx), [Lecture 2](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ChoiAccess2.pptx), [Lec](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ChoiAccess3.pptx)[ture 3](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ChoiAccess3.pptx), and [Lecture 4](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ChoiAccess4.pptx)Files for Database Development:[Restaurant 1](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Restaurant_01.accdb), [Restaurant 2](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Restaurant_02.accdb), and [Restaurant 3](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Restaurant_03.accdb)Example: [Composite PK](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/CompositePK.accdb), [PK as FK](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/PKasFK.accdb), [FineFood DB](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/FineFood.accdb) and [Referential Integrity](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/ReferentialExample.accdb)Excel File: [BillingAddress](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/BillingAddress.xls), [import Excel file](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Importing%20Process%20of%20Excel%20File.ppt) (PPT)Relationship using Excel: [Course](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Course.xls), [Instrcutor](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Instructor.xls), and [Membership](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Membership.xls)Query Practice DB: [Roadrunner database](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/RoadRunner.accdb)Other Files: [CSUB Logo](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/RunnercalLogo.gif), [NewRest HTML](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/NewRest.htm), and [Loan XML](http://www.csub.edu/~ychoi2/MIS%20300/300Database/DBlecture/Loans.xml) | Textbook: - [Chapter 2: Major Business Initiatives: Gaining Competitive Advantage with IT](http://www.csub.edu/~ychoi2/MIS/Lecture/Chap002.ppt) - [XLM B: The World Wide Web and the Internet](http://www.csub.edu/~ychoi2/MIS/Lecture/Module_B.ppt) |
| **5** | Sep 26/28: [Basics of Data Modeling Video](https://www.youtube.com/watch?v=-fQ-bRllhXc) and [ERD using CASE tool](http://www.csub.edu/~ychoi2/MIS%20330/330Lecture/DB%20CASE/How_DBcasetool_Work.htm) [Database Modeling Part I Lecture](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/ERD/ERD_01_2014.ppt) | Textbook: - [Chapter 3: Databases and Data Warehouses: Building Business Intelligence](http://www.csub.edu/~ychoi2/MIS/Lecture/Chap003.ppt) - [XLM J: Implementing a Database with Microsoft Access](http://www.csub.edu/~ychoi2/MIS/Lecture/Module_J_Book.ppt) |
| **6** | Oct 3/5: [Business rules with model](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/Example%20Busi%20Rule.docx)& [Requirements Discovery](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/ERD/ERD_01_Supplement.ppt) |   |
| **7** | Oct 10/12: [Database Modeling Part II Lecture](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/ERD/ERD_02_2014.ppt)[The Department of Justice SDLC Document](http://www.justice.gov/archive/jmd/irm/lifecycle/table.htm)[SAP PowerDesigner Data Architecture](http://www.sap.com/pc/tech/database/software/powerdesigner-data-architect/index.html)Data Modling Tool: [Lucidchart.com](https://www.lucidchart.com/) & [Lucidchart.com tutorial](http://www.youtube.com/watch?v=3n7sLiVr9Z4) | Textbook:- [Chapter 4: Decision Support and Artificial Intelligence: Brainpower for Your Business](http://www.csub.edu/~ychoi2/MIS/Lecture/Chap004.ppt) - [Chapter 5: Electronic Commerce: Strategies for the New Economy](http://www.csub.edu/~ychoi2/MIS/Lecture/Chap005.ppt) |
| **8** | Oct 17/19: Database Modeling (con't) |   |
| 9 | Oct 24/26: DSS Development - [401k Lecture](http://www.csub.edu/~ychoi2/MIS%20300/300DSS/401k.pptx), [401k worksheet](http://www.csub.edu/~ychoi2/MIS%20300/300DSS/401k.xlsx), and [401k handout](http://www.csub.edu/~ychoi2/MIS/DSS/401Khandout.pdf)Type of DSS: [What-if Analysis](http://www.csub.edu/~ychoi2/MIS%20300/300DSS/whatif.xls) & [Goal-seek Analysis](http://www.csub.edu/~ychoi2/MIS%20300/300DSS/goalseek.xls) |  |
| **10** | Oct 31/Nov 2: Transformation[ERD to Relational DB Model](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/ERD/ERD_to_Relational%202014.ppt) [ERD to Realtional model Practice](http://www.csub.edu/~ychoi2/MIS%20340/DBPractice/ERtoRelationPractice2.ppt) | Textbook: - [Chapter 6 Systems Development: Phases, Tools, and Techniques](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/Chap006.ppt) - [XLM E Network Basics](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/XLME.ppt) |
| **11** | Nov 7/9: Reverse EngineeringRelational model to ERD: [1](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/DB_reverse_01.htm), [2](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/DB_reverse_02.htm), and [3](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/DB_reverse_03.htm) |   |
| **12** | Nov 14/16: Structured Query Language[SQL Lecture Part 1](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/SQL/SQL_part_I.ppt), [Restaurant DB](http://www.csub.edu/~ychoi2/Restaurant_04.accdb), and [SQL DB](http://www.csub.edu/~ychoi2/MIS%20340/DBLecture/SQL/SQL.mdb) file[f](http://www.csub.edu/~ychoi2/MIS%20340/Webpage_MisCourse/MIS%20340/DBLecture/SQL/SQL_part_I.ppt)or the lecture | Textbook: - [Chapter 7 Enterprise Infrastructure, Metrics, and Business Continuity Planning: Building and Sustaining the Dynamic Enterprise](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/Chap007.ppt) - [Chapter 8 Protecting People and Information: Threats and Safeguards](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/Chap008.ppt) |
| 13 | Nov 21/23: **Thanksgiving Break!**SQL Online: [W3schools.com](http://www.w3schools.com/sql/default.asp), [SQLZOO](http://sqlzoo.net/), [SQLCourse.com](http://www.sqlcourse.com/index.html), and [SQLCourse2.com](http://www.sqlcourse2.com/intro2.html) |
| **14** | Nov 28/30:[Online Big Data Course](http://www.csub.edu/~ychoi2/MIS/Class_information/How%20to%20take%20the%20Big%20Data%20Course.pdf) as a preparation for big data paper | Textbook: - [Chapter 9: Emerging Trends and Technologies: Business, People, and Technology Tomorrow](http://www.csub.edu/~ychoi2/MIS%20300/300Lecture/Chap009.ppt) |
| **15** | Dec 5/7: [ArcGIS Online Course with assignment instruction](http://www.csub.edu/~ychoi2/MIS/Class_information/How%20to%20take%20the%20ArcGIS%20Online%20Course.pdf) |  |