

MIS 111: Computers and the Internetworked Society

Course Syllabus

Course Details

Time: 9:00 AM – 10:45 AM, Monday – Friday
Dates: June 4, 2018 – July 5, 2018
Location: McClelland Hall, Room 132
Course Website: D2L

Instructor Information

Instructor: Jiaheng Xie
Office Hours: After Class or by Appointment
Email: xiej@email.arizona.edu
Office Location: McClelland Hall, Room 430

Course Description

In this course, we will explore technology and its impacts on individuals, businesses, and society. Computer-based information technology (IT) has pervaded nearly all aspects of modern businesses and society. Regardless of your area of study, technology will likely play a significant role in your future career. This is especially true if you plan to work in the business world. For you to be effective in your future job, it is crucial for you to embrace technology, at least to the extent that you can be conversational about its most common uses. This course introduces many IT concepts and will help you understand and manage the impact of IT on economic, political, organizational, and personal issues. This course has been designed as a high-level, introductory survey of the management information systems (MIS) discipline. We will touch on a wide range of MIS topics, with a heavy focus on application to your life and your chosen field of study.

There are five course modules. The first module aims to answer the question “What is MIS?” We will focus our understanding the purpose and history of the MIS discipline. We will further delve into the differences between MIS and Computer Science (CS), as well as discuss the role of MIS in a business school. The second module aims to provide students with a fundamental understanding of database design and the Web. The third module will teach students about data mining and computing technologies, as well as cybersecurity issues. The fourth module will focus on cloud computing, visualization, and online privacy.

Course Format and Teaching Methods

Lecture, in-class discussion, small-group activities, web-delivered assessment, individual project.

Textbook

Optional textbook: *Introduction to Information Systems* (6th Edition), by R. Kelly Rainer and Brad Prince

NOTICE OF USE OF INCLUSIVE ACCESS STATEMENT: This course uses the Inclusive Access to deliver your textbook digitally via D2L. Please access your textbook using D2L immediately to make sure there are no issues in the delivery of this content, and so that any problems or questions can be addressed promptly. All students in the class have access to the course materials FREE through June 10th, 2018. Note that you must take action (even if you haven’t accessed the materials) to opt-out. If you do not wish to pay for the materials, the deadline to opt-out for this course is 9:00 pm MST, Monday June 11th, 2018. If you do not opt-out and choose to retain your access, the cost of the digital course

materials will appear on your Bursar account during the July 2018 billing cycle. Please refer to the Inclusive Access website's FAQs for additional information. (See: <http://shop.arizona.edu/textbooks/Inclusive.asp>)

Course Objectives and Expected Learning Outcomes

By completing this course, you will demonstrate proficiency to:

- Describe the definition of MIS and its relation to business
- Describe the basics of databases and computing
- Describe, compare, and contrast data mining and visualization techniques
- Effectively communicate to both business and IT professionals orally and via email
- Develop a habit of reading technology news and assess technology personally and socially
- Analyze real cases of online privacy and illustrate its relation to our digital life

Grading

Component	Points	Percent
3 Exams x 60 (3 out of 4)	180	18%
Class Survey	20	2%
News Participation (4)	100	10%
4 Assignments x 80	320	32%
Class Attendance and Participation	80	8%
Final Exam	100	10%
Project	200	20%
Total:	1000	100%

Exams: Exams help check your progress and prepare you for the final exam. There are 4 exams in total. Students just need to take at least 3. If you take all 4 exams, the highest 3 exams will be counted in your final grade. Each exam will have 10-12 questions. Questions will be in multiple choice, fill-in-the-blank, and short-essay. There will be one exam per week. Each exam is closed-book and closed-notes. Students will have 50 minutes to complete each exam.

News Assignment: Information Systems is a field where new and exciting things are happening every day. To stay on top of the changes we will be regularly discussing items from tech news, and your participation will be encouraged (i.e., graded). We will start each lecture with a "new report" discussion. Students are expected to submit 4 news articles and summaries throughout the semester. Students can submit a maximum of one per day.

Formal Assignments: Assignments that allow you to apply what you have learned in class to realistic problems, or that make you think critically about learned concepts. These assignments will help provide you with 'sticking points' to take away from this course. Assignments 1 and 3 are take-home assignments. Assignments 2 and 4 will be discussed in class and finished individually in class.

Class Attendance & Participation: Attendance and class participation are 8% of your grade. You should attend class and participate regularly. Attendance will be taken every day, though you may miss 2 class periods without adversely affecting your grade. You are responsible for all materials covered in class whether you are present or not.

Project: Students need to finish an individual project. In the project, students need to build a simple personal website using Dreamweaver (No programming background is needed). Step-by-step video tutorials will be provided. The project will be divided into two milestones. The first milestone is to learn how to use Dreamweaver and create basic elements in a website. The second milestone is to complete a simple personal website.

Numeric cutoffs for letter grades are based on the following scale:

Letter Grade	Points Required
A	>=895 (89.5%)
B	>=795 and <895 (79.5% - 89.4)
C	>=695 and <795 (69.5% - 79.4)
D	>=595 and <695 (59.5% - 69.4)
E	<595 (<59.5%)

Requests for incomplete (I) or withdrawal (W) must be made in accordance with University policies, which are available at <http://catalog.arizona.edu/policy/grades-and-grading-system#incomplete> and <http://catalog.arizona.edu/policy/grades-and-grading-system#Withdrawal> respectively.

Dispute of Grade Policy: Any disputes on assignments or exams should be resolved within the period instructed by the instructor.

Tentative Schedule and Topics

Daily Schedule			
#	Day	Topic	Due
1	Monday, June 4	Course Introduction	-
2	Tuesday, June 5	What is MIS?	-
3	Wednesday, June 6	Globalization	-
4	Thursday, June 7	Project Management and Presenting Yourself	-
5	Friday, June 8	Exam review, Exam	-
6	Monday, June 11	Data and Knowledge Management, Big Data	Assignment 1
7	Tuesday, June 12	Database Design and Security	-
8	Wednesday, June 13	Evolution of the Web, Web Services	-
9	Thursday, June 14	Human-Computer Interaction and Interface Design	-
10	Friday, June 15	Assignment 2 Discussion, Assignment 2, Exam review, Exam	-
11	Monday, June 18	Data Mining and Business Intelligence	Project Milestone 1
12	Tuesday, June 19	Cybersecurity	-
13	Wednesday, June 20	E-Commerce, SEO, Web Analytics	-
14	Thursday, June 21	Mobile Computing and Mobile Commerce	-
15	Friday, June 22	Exam review, Exam, Project help session	-
16	Monday, June 25	Cloud Computing	Assignment 3
17	Tuesday, June 26	Data Visualization	-
18	Wednesday, June 27	Online Privacy	-
19	Thursday, June 28	Health Analytics	-

20	Friday, June 29	Assignment 4 Discussion, Assignment 4, Exam review, Exam	
21	Monday, July 2	Final Exam Review	Project Milestone 2
22	Tuesday, July 3	Final Exam	-
23	NO CLASS WEDNESDAY JULY 4, 2018 – INDEPENDENCE DAY		
24	Thursday, July 5	Class Canceled	-

Exam Schedule		
Exam #	Day	Topic
1	Friday, June 8	What is MIS?, Globalization, Data and Knowledge Management
2	Friday, June 15	Database Design, Project Management, and the Web
3	Friday, June 22	Data Mining, Cybersecurity, E-Commerce, and Mobile Commerce
4	Friday, June 29	Cloud Computing, Internet of Things, Visualization, and Online Privacy
Final	Tuesday, July 3	Cumulative

Assignment Schedule			
Assignment #	Due Date and Time	Topic	Format
1	Monday, June 11, 11:59 PM	What is MIS?	Short Essay
2	Friday, June 15, 10:45 AM	Database Design and Project Management	Case study (In-class Group Discussion, finish individually)
3	Monday, June 25, 11:59 PM	Data Mining and Internet Commerce	Short Essay
4	Friday, June 29, 10:45 AM	Cloud Computing, Data Visualization, and Privacy	Case study (In-class Group Discussion, finish individually)

Absence and Class Participation Policy

The UA's policy concerning Class Attendance, Participation, and Administrative Drops is available at: <http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>. The UA policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable, <http://policy.arizona.edu/human-resources/religious-accommodation-policy>. Absences pre-approved by the UA Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>. Participating in the course and attending lectures and other course events are vital to the learning process. As such, attendance is required at all lectures and discussion section meetings. Students who miss class due to illness or emergency are required to bring documentation from their health-care provider or other relevant, professional third parties. Failure to submit third-party documentation will result in unexcused absences.

Classroom Behavior Policy

To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming, and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (e.g., texting, chatting, reading a newspaper, making phone calls, web surfing, etc.).

Students are asked to refrain from disruptive conversations with people sitting around them during lecture. Students observed engaging in disruptive activity will be asked to cease this behavior. Those who continue to disrupt the class will be asked to leave lecture or discussion and may be reported to the Dean of Students.

Threatening Behavior Policy

The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself. See <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.

Accessibility and Accommodations

At the University of Arizona we strive to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, you are welcome to let me know so that we can discuss options. You are also encouraged to contact Disability Resources (520-621-3268) to explore reasonable accommodation.

Code of Academic Integrity

Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: <http://deanofstudents.arizona.edu/codeofacademicintegrity> <http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>. The University Libraries have some excellent tips for avoiding plagiarism, available at <http://new.library.arizona.edu/research/citing/plagiarism>. Selling class notes and/or other course materials to other students or to a third party for resale is not permitted without the instructor's express written consent. Violations to this and other course rules are subject to the Code of Academic Integrity and may result in course sanctions. Additionally, students who use D2L or UA e-mail to sell or buy these copyrighted materials are subject to Code of Conduct Violations for misuse of student e-mail addresses. This conduct may also constitute copyright infringement.

UA Nondiscrimination and Anti-harassment Policy

The University is committed to creating and maintaining an environment free of discrimination; see <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>. Our classroom is a place where everyone is encouraged to express well-formed opinions and their reasons for those opinions. We also want to create a tolerant and open environment where such opinions can be expressed without resorting to bullying or discrimination of others.

Additional Resources for Students

UA Academic policies and procedures are available at <http://catalog.arizona.edu/policies>. Student Assistance and Advocacy information is available at <http://deanofstudents.arizona.edu/student-assistance/students/student-assistance>

Subject to Change Statement

Information contained in the course syllabus, other than the grade and absence policy, may be subject to change with advance notice, as deemed appropriate by the instructor.