INSY 5375: Management of Information Technologies  
Spring 2019

Instructor: Jingguo Wang  
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Faculty Profile: http://www.uta.edu/faculty/jingguo/  
Office Hours: Wednesday: 1:30-2:00 p.m. T/Th or by appointment  
Section Information: INSY 5375 / Section 001  
Time and Place of Class Meetings: W 7:00 – 9:50 p.m. COBA 339

Required Textbook:  
Managing and Using Information Systems: A Strategic Approach  

Catalog Description: This course covers topics on the management of information technologies (IT) from the viewpoint of business managers. Subjects discussed include the strategic role of IT to gain competitive advantage, Internet-based business models, building a lean and agile organization through IT, managing IT security and reliability, evolving models of IT service delivery, such as cloud computing and open source, management of outsourcing, IT governance, and ethical issues in the digital era. In addition to classroom lectures, the course relies heavily on case analysis and discussion to provide a real world perspective of issues related to IT management.

Course Learning Goals and Objectives:  
After completing this course, the student should be able to articulate the impact of IT on business processes and organizational structure within the firm, and on relationships between the firm and its suppliers and customers. Such understanding and knowledge is critical in business decisions involving investment in IT. Specifically, the course is intended to accomplish these objectives for business managers and executives.

- Enable the student to engage in informed and intelligent discussion and interactions with IT professionals and managers who are involved in information systems development projects and investment decisions.
- Develop the student’s leadership competence in integrating IT with corporate competitive strategies.
- Help the student to make effective use of IT to improve their own performance as managers and executives.

With information technologies rapidly changing, we will discuss the enduring principles as well as evolving approaches to current problems in IS management. The overarching objective of the course, however, is to develop critical thinking skills needed in making decisions related to the deployment of information technology in their organization.

Course Format:  
To fulfill the course objectives, the course will be conducted via a mixture of lecture and discussion. The students will be organized into teams for the case discussions. The instructor will strive to make this course an exceptional and rewarding learning experience for the students.
Prerequisite: A good understanding of computers, information systems, networks, web technologies and analysis & design. A basic understanding of the functional areas of business will also be required.

Additional Readings:
- “Analytics 3.0: In the new era, big data will power consumer products and services.” by Thomas H. Davenport, Harvard Business Review. V. 91, No. 12, December 2013.

Description of major assignments and examinations:
The distribution of points will be as follows:
Class Participation/Attendance 10%
Exam 1 20%
Exam 2 25%
Finals 25%
Case Presentations 20%

Grading: The following criteria will be used to assess your grade (no rounding):
A (>=90%), B (>=80%), C (>=70%), D (>=60%), F (<60%)

Groups: Forming groups with members from diverse backgrounds will enrich the case analysis and will be helpful in completing main case analysis.
Case Presentations: This is a group assignment. Each group will be assigned a case for analysis and presentation. You will make a presentation to the class and turn in a written report (about 5 pages) for the main case you present.

Case analysis helps students develop analytical and problem solving skills. They learn to ask the right questions, develop alternate scenarios, and take up and defend a position. Like most business problems, a case does not have one right solution. The focus in case analysis is on applying appropriate theoretical concepts/models/frameworks discussed in class to the situation presented in the case so as to gain a deeper understanding of the issues. Here are some guidelines for case presentation:

- Prepare a PowerPoint presentation
- Provide an overview of the case
- Each case has a list of questions to guide discussion. Be sure to address these questions when you present the case.

Evaluation/Grading Criteria will be provided in class and/or Blackboard.

Attendance: At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students’ academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, I will consider attendance mandatory for all lectures. If you miss a class, you are responsible for the materials covered.

You will receive individual credit for class participation by actively participating in case discussion when your group is not responsible for the presentation.

Exams: You are responsible for everything that is covered in the classroom, including additional materials that the instructor may discuss in class. There are no make-up exams. Under extenuating circumstances (e.g., medical emergency, family emergency, work-related travel, etc.), the average score of other exams will replace the missed exam score. You can only use this excuse for one exam. The final exam will be comprehensive covering all the contents, whereas regular exams will cover partial contents (as described in the Course Schedule).

Expectations for Out-of-Class Study: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 9 hours per week of their own time in course-related activities, including reading required materials, completing assignments, and preparing for exams/quizzes.

UNIVERSITY and COLLEGE POLICIES

Grade Grievances: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog: http://catalog.uta.edu/academicregulations/grades/#undergraduatetext

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid
administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (http://wweb.uta.edu/aaao/fao/).

**Disability Accommodations:** UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

**The Office for Students with Disabilities, (OSD)**  www.uta.edu/disability or calling 817-272-3364.

**Counseling and Psychological Services, (CAPS)**  www.uta.edu/caps/ or calling 817-272-3671.

Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

**Title IX Policy:** The University of Texas at Arlington ("University") is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. *For information regarding Title IX, visit www.uta.edu/titleIX* or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or jmhood@uta.edu.

**Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

>I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

>I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System Regents’ Rule 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University.

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a
MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at [http://www.uta.edu/oit/cs/email/mavmail.php](http://www.uta.edu/oit/cs/email/mavmail.php).

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit [http://www.uta.edu/news/info/campus-carry/](http://www.uta.edu/news/info/campus-carry/)

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit [http://www.uta.edu/sfs](http://www.uta.edu/sfs).

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at [http://www.uta.edu/universitycollege/resources/index.php](http://www.uta.edu/universitycollege/resources/index.php).

The IDEAS Center (2nd Floor of Central Library) offers free tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. To schedule an appointment with a peer tutor or mentor email IDEAS@uta.edu or call (817) 272-6593. The English Writing Center (411LIBR): The Writing Center Offers free tutoring in 20-, 40-, or 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Our hours are 9 am to 8 pm Mon.-Thurs., 9 am-3 pm Fri. and Noon-6 pm Sat. and Sun.
Register and make appointments online at http://uta.mywconline.com. Classroom Visits, workshops, and specialized services for graduate students are also available. Please see www.uta.edu/owl for detailed information on all our programs and services. The Library’s 2nd floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library’s hours of operation. http://library.uta.edu/academic-plaza

You may also find the following information useful:

Library Home Page .............................................. http://www.uta.edu/library
Subject Guides................................................. http://libguides.uta.edu
Subject Librarians ............................................. http://www.uta.edu/library/help/subject-librarians.php
Course Reserves .............................................. http://pulse.uta.edu/vwebv/enterCourseReserve.do
Library Tutorials ............................................. http://www.uta.edu/library/help/tutorials.php
Connecting from Off-Campus....................... http://libguides.uta.edu/offcampus
Ask A Librarian............................................... http://ask.uta.edu

**Emergency Phone Numbers:** In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911. Non-emergency number 817-272-3381
### Tentative Course Schedule

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<thead>
<tr>
<th>Week</th>
<th>Assignments and Topics</th>
<th>Readings</th>
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<tbody>
<tr>
<td>Jan. 16</td>
<td>Introduction; Team Formation</td>
<td>Syllabus</td>
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<tr>
<td>Jan. 23</td>
<td>The Information Systems Strategy Triangle</td>
<td>Chapter 1</td>
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<td>Jan. 30</td>
<td>Strategic Use of Information Resources</td>
<td>Chapter 2</td>
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<tr>
<td>Feb. 06</td>
<td>Organizational Strategy and Information Systems; Case presentation</td>
<td>Chapter 3</td>
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<tr>
<td>Feb. 13</td>
<td>Digital Systems and the Design of Work; Case presentation</td>
<td>Chapter 4</td>
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<td>Feb. 20</td>
<td>Exam 1(CH01-04)</td>
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<td>Feb. 27</td>
<td>Information Systems and Business Transformation; Case presentation</td>
<td>Chapter 5</td>
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<tr>
<td>Mar. 06</td>
<td>Architecture and Infrastructure; Case Presentation</td>
<td>Chapter 6</td>
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<td>Mar. 13</td>
<td>SPRING BREAK</td>
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<tr>
<td>Mar. 20</td>
<td>Security; Case Presentation</td>
<td>Chapter 7</td>
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<tr>
<td>Mar. 27</td>
<td>Guest Speaker; The Business of Information Technology</td>
<td>Chapter 8</td>
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<tr>
<td>Apr. 03</td>
<td>Exam 2 (CH5-9)</td>
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<tr>
<td>Apr. 10</td>
<td>Governance of the Information Systems Organization / Information Systems Sourcing;</td>
<td>Chapter 9/Chapter 10</td>
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<td>Apr. 17</td>
<td>Managing IT Projects; Case Presentation</td>
<td>Chapter 11</td>
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<td>Apr. 24</td>
<td>Business Intelligence, Knowledge Management, and Analytics; Case presentation</td>
<td>Chapter 12</td>
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<tr>
<td>May 01</td>
<td>Privacy and Ethical Considerations in Information Management; Case Presentation</td>
<td>Chapter 13</td>
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<tr>
<td>May 8, 2017</td>
<td>Comprehensive Final Exam 8:15 to 10:45 p.m.</td>
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**NOTE:** As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. Students are responsible to be aware of changes announced in class and/or via Blackboard. – Sridhar P Nerur

**Kindly check the Academic Calendar for important dates.**