

MIS 2101 - Information Systems in Organizations Summer 1 2018 Online

Instructor Information		Jonathan Latko jlatko@temple.edu Pearson Hall 152, (Computer Recycling Center) 215-204-6378 Office Hours: TBD (By appointment)					
CRN	4016/4560	Section	711/730	Location	WebEx	Time	T 7-855
INFORMATION SYSTEMS IN ORGANIZATIONS - 4016 - MIS 2101 - 711 http://community.mis.temple.edu/mis2101sec711sum18/							

Course Description

Information Systems in Organizations introduces students to core concepts of management information systems. Students learn to identify and analyze organizational systems and processes using techniques including conceptual diagramming, process decomposition, and data modeling; gain experience in identifying and using multiple types of systems used by organizations ranging from start-ups to global enterprises; and, analyze consumer information systems to understand multiple approaches to systems architecture, the power of network effects and platforms, and the importance of digital identity management. Ethical issues in use of information systems and the role of systems in business careers are also covered.

Required Text and Readings

There is no required text for this course. There are assigned readings for each class. All links to the required readings will be available on our course website:

<http://community.mis.temple.edu/mis2101sec711sum18/>

Course Grade Components

Component	Weight	Notes
In-Class Activities and e-portfolio posting	15%	Complete up to four in-class activities per week (50-min. each) and submit completed activity worksheets. Create global focused content around the weekly discussion board or eportfolio posts. Students may miss up to two activities without penalty.
Learn IT!	25%	Learn IT! assignments: <ol style="list-style-type: none"> 1. Learn IT1 – Digital Portfolio 2. Max Labs 1 a&b 3. Max Labs 2 a&b 4. Max Labs 3 a&b 5. Digital Identity: Networking and Analytics
Exam #1	20%	Multiple Choice
Exam #2	20%	Multiple Choice
Exam #3	20%	Multiple Choice

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Grading Scale

94-100	A	73-76	C
90-93	A-	70-72	C-
87-89	B+	67-69	D+
83-86	B	63-66	D
80-82	B-	60-62	D-
77-79	C+	Below 60	F

Learn IT! Assignment Grading Criteria

Grade	Criteria
Pass-High (100%)	The assignment consistently exceeds expectations. It demonstrates originality of thought and creativity throughout. Beyond completing all of the required elements, new concepts and ideas are detailed that transcend general discussions along similar topic areas. There are few mechanical, grammatical or organizational issues that detract from the presented ideas.
Pass (80%)	The assignment consistently meets expectations. It contains all the information prescribed for the assignment and demonstrates a command of the subject matter. There is sufficient detail to cover the subject completely but not too much as to be distracting. There may be some procedural issues, such as grammar or organizational challenges, but these do not significantly detract from the intended assignment goals.
Fail (60%)	The assignment fails to consistently meet expectations. That is, the assignment is complete but contains problems that detract from the intended goals. These issues may be relating to content detail, be grammatical, or be a general lack of clarity. Other problems might include not fully following assignment directions.
Missing (0%)	Missing or late assignment.

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Materials Required:

MIS2101 Course Packet: available to print on our course website

MaxLabs login: There is a \$20 fee associated with the Max Labs simulation paid when you begin

Max Labs:

Max Labs provides students the ability to utilize Salesforce, the global number 1 choice for Customer Relationship Management tools. Through three exercises, students will demonstrate their ability to interact with the tool, develop a conceptual understanding of technology enhanced business functionality and even app building.

Learn IT:

In this assignment, you will setup a profile on the e-Portfolio site, create an e-Portfolio, configure Google Analytics to collect information about visitors visiting your site and network with others on the e-Portfolio site. In Learn IT 2, students will analyze the data collected from their site.

In-Class Activities and e-portfolio posting:

Each week, students will participate in in class activities that will directly apply the content covered and reinforce the material. Participation in these activities will be graded based on completed, submitted worksheets. Students must be present to complete the activity and turn in the worksheet. Students may also be assigned weekly eportfolio posts focused on the current topic and their experience.

Schedule:

Week	Unit	Learning Outcomes, Topics & Required Reading	Due
Week 1	Intro (1.1)	<p>Learning Outcomes Class Introduction Define IT, IS, MIS Describe role of systems in business career</p> <p>Topics and Required Reading 1.1. Introduction to MIS What is MIS? (read page contents and watch embedded videos) Difference between IS, CS, and IT Information Systems vs. Information Technology AIS Information Systems Job Index Wikipedia, Business Analyst Wikipedia, Systems Analyst</p> <p>Required Viewing What is MIS? The Modern Organization System Why MIS: MIS Careers</p>	<p>Learn IT! #1 Due May 20th @ 11:59PM</p>

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	Systems analysis (2.1 & 2.1.1)	<p>Learning Outcomes Prepare a swim lane diagram for a multi-step process</p> <p>Topics and Required Reading 2.1. Analyzing organizations as systems and processes Wikipedia, Systems Analysis Wikipedia, Systems Architecture Systems Architecture Fundamentals – Conceptual, Logical, Physical Designs</p> <p>2.1.1. Modeling Processes with Swimlane Diagrams A Guide to Process Mapping An Introduction to Swimlane Diagrams</p> <p>Required Viewing Systems Analysis and Systems Architecture Process Mapping with Swimlane Diagrams</p>	
Week 2	Modeling Data (2.1.2)	<p>Learning Outcomes Prepare a simple entity relationship diagram</p> <p>Topics and Required Reading 2.1.2. Modeling Data with Entity Relationship Diagrams Ultimate Guide to ER Diagrams Entity Relationship Diagram Examples</p> <p>Required Viewing Data Modeling with ERDs</p>	Max Labs 0 Due May 21st
Week 2	Decision Trees and Conceptual Architecture Diagrams (2.1.3 & 2.1.4)	<p>Learning Outcomes Interpret a conceptual architecture diagram Interpret decision trees</p> <p>Topics and Required Reading 2.1.3. Modeling Business Rules with Decision trees Wikipedia, Business Rule What is a Decision Tree Business Analyst Training on How to Use Decision Trees</p> <p>2.1.4. Visualizing architecture: conceptual diagramming Investigative Architecture: The Conceptual Diagram</p> <p>Required Viewing Conceptual Architecture Diagrams Business Rules and Decision Trees</p>	
Week 2	Midterm Exam Preparation	Midterm Exam #1 – Assess week 1-2 learning objectives	Opens 5/25 @ 6AM,

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			Closes 5/27 @ 6PM
Week 3	Organizational Systems (3.)	<p>Learning Outcomes Match business functions with organizational IS Discuss major functions of an ERP</p> <p>Topics and Required Reading 3.1. Types of systems in organizations</p> <p>3.1.1. Enterprise Systems (ERP) What Is ERP? Wikipedia, ERP Putting the Enterprise into the Enterprise System 9 Tips for Selecting and Implementing an ERP System</p> <p>Required Viewing What is ERP? ERP Challenges and Benefits</p>	Max Labs 1a & 1b Due May 27th @ 11:59PM
Week 3	Organizational Systems (3.1)	<p>Learning Outcomes Illustrate how IT aids organizational decision making Identify, compare and contrast multiple knowledge management systems</p> <p>Topics and Required Reading 3.1.2. Decision Support The Decision-Making Process How NBA Player Analytics Opened Up A Whole New Business For SAP The Real Reason Organizations Resist Analytics</p> <p>3.1.3. Knowledge Management What is KM? Knowledge Management Explained</p> <p>Required Viewing Data Analytics OLTP vs. OLAP Hypercubes, Data Warehouses and Data Marts Big Data Knowledge Management</p>	
Week 4	Organizational Systems (3.2)	<p>Learning Outcomes Understand the consideration of the “buy vs. build” decision. Be able to explain the steps in the SDLC Be able to provide examples of digital innovation and the disruptive power of the Internet</p>	Max Labs 2a & 2b Due June 3rd @ 11:59PM

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		<p>Topics and Required Reading</p> <p>3.2. Systems management</p> <p>3.2.1. Business analysis, requirements, and systems acquisition Build vs. Buy: How to Know When You Should Build Custom Software Over Canned Solutions</p> <p>3.2.2. Developing systems: programming, testing, and deployment Wikipedia, Systems Development Lifecycle</p> <p>3.3. Digital Business Innovation What We Know, Now, About the Internet’s Disruptive Power The 5 Tech Trends that will Dominate CES and 2017 Hidden in the long tail Leagues see real benefits in daily fantasy sports</p> <p>Required Viewing</p> <p>SDLC Compliance Issues Disruptive Innovation The Long Tail</p>	
Week 4	Midterm Exam	Midterm Exam #2 – Assess week 3-4 learning objectives	<p>Opens 6/8 @ 6AM,</p> <p>Closes 6/10 @ 6PM</p>
Week 5	Supply Chain Management Systems (4.1)	<p>Learning Outcomes</p> <p>Be able to explain the basic capabilities and benefits of supply chain management systems</p> <p>Topics and Required Reading</p> <p>4.1. Supply Chain Management Systems Wikipedia, Supply chain management Supply Chain Futurists Predict the Impact of Digital Transformation Integrated Planning – Optimization for the entire internal supply chain Just-in-Time Manufacturing Vendor-Managed Inventory (VMI): What is it and When Does It Make Sense to Use It What is RFID?</p> <p>Required Viewing</p> <p>What is SCM? Just In Time</p>	<p>Max Labs 3a & 3b Due June 10th @ 11:59PM</p>

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		<p>Vendor Managed Inventory RFID</p>	
Week 5	Customer Relationship Management Systems (4.2)	<p>Learning Outcomes Be able to explain the basic capabilities and benefits of customer relationship management systems</p> <p>Topics and Required Reading 4.2 Customer Relationship Management Systems Why does my business need a CRM system? Choosing a CRM Software: A Buyer's Guide 18 Surprising CRM Statistics 6 Examples Of How To Use CRM dashboards CRM & ERP – What's the difference? Key differences between CRM & ERP:</p> <p>Required Viewing What is CRM? Benefits of CRM ERP vs. CRM</p>	
Week 6	Platforms and Cloud Computing (5.1 & 5.2)	<p>Learning Outcomes Be able to explain what a platform is and the provide examples of business models that leverage platforms. Be able to explain cloud computing and the benefits it can offer an organization</p> <p>Topics and Required Reading 5.1 Platforms What is a Platform? Business Model Analysis, Part 2: Platforms and Network Effects What Makes Uber Different from Android? How to Make Sense of Platform Businesses Zynga tries to reinvent itself with a new smartphone strategy game</p> <p>5.2 Cloud Computing Cloud Computing 101 How to Choose Your Cloud Service Provider Cloud failures will happen. Are you ready?</p> <p>Required Viewing What is a platform? What Are Network Effects Cloud Computing Cloud Computing Models</p>	<p>Learn IT 2 due June 17th @ 11:59PM</p>

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Week 6	Artificial Intelligence (6.1)	<p>Learning Outcomes Be able to explain what artificial intelligence (AI) is. Provide examples of how AI can create value for organizations.</p> <p>Topics and Required Reading 6.1. Artificial Intelligence The AI Revolution: The Road to Superintelligence The Blue Brain Project EPFL Bill Gates Says You Should Worry About Artificial Intelligence Wikipedia, Turing test What is AGI? What is Watson?</p> <p>Required Viewing Three Type of AI: ANI, AGI and ASI AIG Tests IBM Watson</p>	
	Exam #3	Exam #3 – Assess week 5-6 learning objectives	<p>Opens 6/22 @ 6AM,</p> <p>Closes 6/24 @ 6PM</p>

Class Repeat Policy

A grade of a 'C or better' is required for all MIS courses in order to move onto the next course in sequence. MIS students are ONLY permitted to repeat a course one time. Any MIS student repeating a course should seek the guidance of the Senior Program Specialist or their Fox School UG advisor. MIS majors WILL NOT be permitted to register for a course a third time. Each time a student registers for a course and earns a grade, including a "W" when withdrawing from a course, will count towards this limit.

Additional Grading Policies

Please note that it is against my policy to discuss grades on any test, graded assignment or any other direct component of your final grade via e-mail. If you would like to discuss how an assignment was graded, please see me during office hours. If you are not available during office hours, please make an appointment with me for another time.

Please note that two weeks after a grade has been posted, the grade will be considered "final." If you have an issue with a grade you are required to meet with me or make an appointment to meet with me during this two week period. After this two week period a grade will be considered "final" and is not up for discussion.

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Additional Course Information

Availability of Instructor	Please free to use office hours (without an appointment) to discuss any issues related to this class. While every student is encouraged to visit with me during office hours to help them gain a better understanding of material which they didn't fully understand when they were in class, office hours are NOT for helping students catch up on material they missed because they were absent.
Attendance Policy	Class participation and discussion is an integral part of the course. Accordingly, full attendance is expected by every student in the class. I do not discern a difference between excused and unexcused absences. Attendance is calculated based on your submission of the in class activity worksheets. Worksheets are only accepted for students who were present in class. Students are allowed up to two missed in class activities without penalty.
Class Etiquette	<p>Please be respectful of the class environment.</p> <ul style="list-style-type: none"> • Class starts promptly at the start time. Please make EVERY effort to be on time, as I will frequently communicate important information in the first few minutes of class. • Cell phones must be turned off and put away during class. • Refrain from personal discussions during class.
Assigned Readings	On the course website you will find required assigned readings for every class meeting. Come to class prepared to discuss assigned readings.
Course Website	<p>We will not use Blackboard for this class. Instead, we will use the web site community.MIS.temple.edu, a social networking site set up by the MIS department. This site is essentially a fancy blogging tool. We use it instead of Blackboard to share course document and to facilitate online discussions outside of the classroom.</p> <p>To access the blog, enter your Temple AccessNet account and password. Towards the right you will see a section which lists the courses offered by the MIS department this semester. You should see a link for this course followed by my last name. Follow this link to get to the blog for our class.</p>
Late Assignment Policy	<p>All assignments are due at the specific time or at the beginning of class. We will typically discuss your deliverables on the due date. Accordingly, I cannot accept any late deliverables. A deliverable is considered late if it is completed / turned in after the deadline. This time will be strictly enforced.</p> <p>Equipment failure is not an acceptable reason for late submission of a project. You should always make a backup of your files (if it is really important, make two backups). You should make sure you print out your work early enough that you can find an alternate location to print.</p>

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Submission of Work	Quiz Questions, Discussion Question Responses, Course Quizzes, and Reflection Journal are all completed and submitted online through either our course site or OWLbox.
Computers in the classroom	You are encouraged to use computers in class to look up class related information. Please be mindful that remaining engaged in class discussion should always be your primary priority.

Plagiarism, Academic Dishonesty and Citation Guidelines

Plagiarism and academic dishonesty can take many forms. The most obvious is copying from another student's exam, but the following are also forms of this:

- Copying material directly from the Internet (or another source) without a proper citation crediting the author.
- Turning in an assignment from a previous semester as if it were your own.
- Having someone else complete your lab assignment and submitting it as if it were your own.
- Signing someone else's name to an attendance sign-in sheet.
- Use of assignments completed in one class as any part of a project assigned in another class.
- Sharing/copying homework assignments.
- Use of unauthorized notes during an examination.

In cases of cheating, both parties will be held equally responsible, i.e. both the student who shares the work and the student who copies the work.

Of course, behavior like this will not be tolerated in this class. Penalties for such actions are given at my discretion, and can range from a failing grade for the individual assignment, to a failing grade for the entire course.

If you use text, figures, and data in reports that was created by others you must identify the source and clearly differentiate your work from the material that you are referencing. If you fail to do so you are plagiarizing. There are many different acceptable formats that you can use to cite the work of others (see some of the resources below). The formats are not as important as the intent. You must clearly show the reader what is your work and what is a reference to somebody else's work.

Plagiarism is a serious offence and could lead to reduced or failing grades and/or expulsion from the university. The Temple University Student Code of Conduct specifically prohibits plagiarism (see temple.edu/studentaffairs/policies/student-code-conduct.asp). The following excerpt defines plagiarism:

The term "plagiarism" includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also

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includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Resources

- For a more detailed definition of plagiarism: Princeton University Writing Center on Plagiarism, http://web.princeton.edu/sites/writing/Writing_Center/WCWritingRes.htm
- How to successfully quote and reference material: University of Wisconsin Writers Handbook, <http://www.wisc.edu/writing/Handbook/QuotingSources.html>
- How to cite electronic sources: Electronic Reference Formats Recommended by the American Psychological Association, <http://www.apastyle.org/electmedia.html>
- Temple University Writing Center, <http://www.temple.edu/writingctr/>