ITEC 610 5111 Information Technology Foundations (2152)

ITEC-610

Spring 2015  Section 5111  3 Credits  02/02/2015 to 04/26/2015

Class Summary

M 07:00:00 PM 10:00:00 PM

Faculty Contact

Kim Wandersee Kim.Wandersee@faculty.umuc.edu

Course Description

A fundamental study of technology and its applications, as well as the economic and social issues they have raised. Topics include computers, peripherals, databases, and networks; operations (of business, government, and other enterprises), decision support systems, and acquisition of information technology resources; and information security, productivity, equitable access by users, intellectual property rights, and global reach. Discussion also covers current and future developments in the field and their implications.

Course Introduction

This course is designed to introduce you to the current state of information technology (IT), the many exciting technological advances, IT's impact to the competitive advantage of an organization, and the impact to our daily life. The course will familiarize you with the field of IT including how a system works, computer-based information systems that addresses management needs, security and privacy needs, as well as emerging trends and developments in the IT field. This course will orient your career toward the major opportunities within the field of IT and related areas. Whether you plan to pursue a business analyst, technical, or managerial-role in IT, an understanding of system components, types of applications, product life cycle and issues that you may encounter is needed to be a highly skilled, value-added project team member. This course will be informative, challenging, and useful in your current and future career endeavors.

The last date to withdraw can be found at: http://www.umuc.edu/withdrawals. Be sure to note the semester term, Graduate School and the session. Other key dates are found at:

http://www.umuc.edu/students/calendar/holidays.cfm

http://www.umuc.edu/students/calendar/other-deadlines.cfm

There are no holidays in online courses.

Course Outcomes

At the end of this course, students will be able to:

1. Analyze the underlying nature of data and information such as its digital measure, characteristics, formats, and processing.
2. Explain the principles of operation of the various components of information technology, such as computers, software,
databases, and networks.

3. Demonstrate how the components of information technology fit together to form useful systems that are responsive to organizational needs.

4. Assess the utility of information technology in the operations, decision making, and investment of organizations.

5. Identify and appraise the principal economic, social, and cultural issues raised by the applications of information technology.

6. Show currency with events and developments in the information technology field.

7. Assess the relevance of current events and developments in the information technology field to management practices and significance to social change.

Course Materials

Click to access your course materials information (http://webapps.umuc.edu/grcmBook/BPage.cfm?C=ITEC%20610&S=5111&Sem=2152)

Grading Information

Grading Criteria

Course grade will be comprised of the following:

<table>
<thead>
<tr>
<th>Assignment Title</th>
<th>Gradebook Assignment Type</th>
<th>Individual or Team</th>
<th>Frequency of Assignment</th>
<th>Grading Scale</th>
<th>Percentage of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly Discussion Questions</td>
<td>Conference</td>
<td>Individual</td>
<td>8</td>
<td>100%</td>
<td>10%</td>
</tr>
<tr>
<td>Individual Research Paper</td>
<td>Paper</td>
<td>Individual</td>
<td>1</td>
<td>100%</td>
<td>25%</td>
</tr>
<tr>
<td>Group Project</td>
<td>Presentation</td>
<td>Team</td>
<td>1</td>
<td>100%</td>
<td>15%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>Midterm Exam</td>
<td>Individual</td>
<td>1</td>
<td>100%</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Final Exam</td>
<td>Individual</td>
<td>1</td>
<td>100%</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

Weekly Discussion Questions

Each week, answer at least one discussion question and respond to at least one classmate (both postings must meet the 100-word minimum to receive credit). Include at least one reference in your answer to the question. Your answer and response should be APA compliant.

You will be graded based on the following rubric guideline:

*The level of achievement is determined based on where the majority of the criteria elements fall.*
<table>
<thead>
<tr>
<th>Score Range</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>Excellent</td>
</tr>
<tr>
<td>80-89</td>
<td>Good</td>
</tr>
<tr>
<td>70-79</td>
<td>Poor</td>
</tr>
</tbody>
</table>

**90-100 - Excellent**

- Consistently well thought out, complete and accurate responses
- Reflects sound research
- Illustrates critical, reflective and original thinking (no evidence of copying and pasting)
- Appropriately scoped
- Response is presented in a clear and concise manner
- Information is well organized and logically flows
- No writing errors noted
- Interactions with other students are relevant and professional in nature
- Completely compliant with the APA style manual

**80-89 - Good**

- Generally well thought out, complete and accurate responses
- Reflects adequate research
- Often illustrated critical, reflective and original thinking (some evidence of copying and pasting)
- Scope is a bit too broad or too narrow
- Response lacks some clarity and/or conciseness
- Information could have been better organized and flowing
- Few writing errors noted
- Interactions with other students are lacks some value and professionalism
- Generally compliant with the APA style manual

**70-79 - Poor**

- Not much thought given to the assignment, incomplete and/or inaccurate responses
- Lacks sound research
- Lacks critical and reflective thinking
- Scope is much too broad or too narrow
- Response lacks clarity and/or conciseness
- Information presented is disorganized
- Numerous writing errors noted
- Interactions with other students are lacks much value and professionalism
- Minimal or no compliance with the APA style manual
Weekly Hands-on Activity

One way that one can learn is by doing. During assigned weeks, you will be required to do an often challenging but interesting Hands-on Activity that reflects current and emerging technologies as well as the topics for that session. In some cases, you will be asked to relate your experience with the technology. This is a technology course so you are expected to know about technologies particularly the current and emerging ones.

You will be graded based on the following rubric guideline:

*The level of achievement is determined based on where the majority of the criteria elements fall.*

90-100 - Excellent

- Consistently well thought out, complete and accurate answer
- Illustrates critical, reflective and original thinking (no evidence of copying and pasting)
- Appropriately scoped
- Response is presented in a clear and concise manner
- Information is well organized and logically flows
- No writing errors noted

80-89 - Good

- Generally well thought out, complete and accurate answer
- Often illustrated critical, reflective and original thinking (some evidence of copying and pasting)
- Scope is a bit too broad or too narrow
- Answer lacks some clarity and/or conciseness
- Information could have been better organized and flowing
- Few writing errors noted

Below 70 - Unsatisfactory

- Failed to meet basic requirements such as the required number of submissions.
70-79 - Poor

- Not much thought given to the assignment, incomplete and/or inaccurate answers.
- Lacks critical and reflective thinking.
- Scope is much too broad or too narrow
- Answer lacks clarity and/or conciseness
- Information presented is disorganized
- Numerous writing errors noted

Below 70 - Unsatisfactory

- Failed to meet basic requirements.

**Individual Research Paper/Group Project**

In your individual paper you must "defend" an idea or "take a position" in a certain discussion. The topic should relate to an area of technology.

For the group project, each team is to select a case study in the book and answer the "Case Study Questions" at the end of the case study. Then the group is to prepare a PowerPoint presentation containing detailed slide notes.

See Project Descriptions below for further details on both of these assignments.

**Midterm/Final Exams**

One midterm and one final exam will be administered. The midterm will cover the first four sessions and the final exam will be cumulative. Both exams will consist of essay questions and both will be open book. Each exam will be posted online for one week.

You are required to submit the exam to Turnitin.com. The file holding your answers should be accompanied by an acceptable originality report downloaded from Turnitin.

**Course Specific Grading Policies**

The average grade obtained in our graduate courses is a B. If you complete each assignment at the graduate level, you can expect to earn this grade. This does not mean that you have to be an expert on the subject matter, but you do have to put in as much time as is necessary to demonstrate an acceptable level of understanding. If you have any questions about a grade you received, contact your faculty member. Your faculty member is there to help you understand the material, your grade, and how you can improve your performance in this course.

In order to earn an A in a graduate course, you need to complete a good number of assignments at a superior level. Excellent writing skills can help you earn a better grade.

You are expected to refer to the required course readings to support your analyses. In some cases, you will also be expected to conduct research and use relevant articles from scholarly journals in the UMUC library's electronic databases.

At the other end of the grade distribution, if you don't take the time to develop an acceptable level of understanding of the subject material, you could earn a C. If you don't complete your assignments on time or if you don't work cooperatively with your study team, you could also earn a C.

**GRADING GUIDELINES**
According to The Graduate School's grading policy, the following marks are used:

A (90-100) = Excellent
B (80-89) = Good
C (70-79) = Below standards
F (69 or below) = Failure
FN = Failure for nonattendance
G = Grade pending
P = Passing
S = Satisfactory
U = Unsatisfactory
I = Incomplete
AU = Audit
W = Withdrew

The grade of "B" represents the benchmark for The Graduate School. It indicates that the student has demonstrated competency in the subject matter of the course, e.g., has fulfilled all course requirements on time, has a clear grasp of the full range of course materials and concepts, and is able to present and apply these materials and concepts in clear, well-reasoned, well-organized, and grammatically correct responses, whether written or oral.

Only students who fully meet this standard and, in addition, demonstrate exceptional comprehension and application of the course subject matter earn a grade of "A."

Students who do not meet the benchmark standard of competency fall within the "C" range or lower. They, in effect, have not met graduate level standards. Where this failure is substantial, they can earn an "F." The "FN" grade means a failure in the course because the student has ceased to attend and participate in course assignments and activities within the first 60 percent of the session but has not officially withdrawn.

Project Descriptions

Individual Research Paper

In your individual paper you must "defend" an idea or "take a position" in a certain discussion. This is called your "thesis." The topic should relate to an area of technology.

Listed below are possible topics which would be appropriate for this class. If you have a specific topic in which you have interest, please send me an e-mail describing what you would like to do. I will determine whether or not it is appropriate for this class. Remember, that since some of the topics are very broad, you should narrow your research to some specific position related to the subject.

To help you writing the paper, please visit the UMUC's Guide to Writing and Research site located at: http://www.umuc.edu/prog/ugp/ewp_writingcenter/writinggde/welcome.shtml. [Also, feel free to consult your Writing Coach.]

A suitable structure for your paper might be the following.

- Introduction (including the thesis or proposition that you intend to support)
- Description of the technology
- Its potential applications
- Which technologies will compete with this particular one and why
- How this competition affects businesses
- The possible improvements in the scope of IT if the use of such technology succeeds
- Conclusions supporting your thesis (your perspective in the future of such technology be it good or bad)

Rubrics:

Two sets of rubrics will be used for this assignment -- Communication and Knowledge. They are found under: Content > Rubrics - Individual Research Paper Assignment. You are urged to review these rubrics prior to starting this assignment.
Communication score is worth about 50% of the grade and Knowledge is worth about 50%. This reflects the importance UMUC is placing on the development of your communication skills.

Scoring is specifically based on the method indicated in the Communications rubric (under "How the Rubric Works") for the situation where the Overall Score for communications is being considered in combination with discipline content (Knowledge)

Requirements:

Research Topic and Abstract - due end of Week 3

1. Identify your topic.
2. Provide an abstract of your research including your thesis.
3. Discuss your research approach.
4. Include at least 5 references.
5. Your submission must be APA compliant.

Final Research Paper - due end of Week 11

1. Your paper should mirror the structure described above.
2. It should be a minimum of 2,000 words.
3. It should reflect graduate level writing skills.
4. Include at least 10 references.
5. Your submission must be APA compliant.
6. Your submission needs to be sent to Turnitin and an acceptable originality report should accompany the paper when it is submitted. (Directions on the use of Turnitin can be found in the Turnitin Discussion area.)

Possible Topics:

Other topics as appropriate are also acceptable with approval by the instructor.

3D Printers
Anti-spyware systems
Agile programming/SCRUM/extreme programming
Augmented reality
Big Data
Biometrics
Bluetooth
Business Intelligence
Business Process Management
BYOD
Cloud Computing
Cloud security
Compression: Music, image, and video compression schemes
Computer graphics
Cryptography and its applications
Data Mining/OLAP
Data Warehouses and Marts
Database structures
Group Project

Group assignments will be made during Week 3. Each group is to select a case study in the book and answer the “Case Study Questions” at the end of the case study. Then the group is to prepare a PowerPoint presentation containing detailed slide notes. It should include a background of the technology or technologies that are covered in the case study. The answer to each question should take up at least 2-3 slides. There should be continuity among the slides and not be in a question and answer format.

The presentation should include at least 15 references and these references should be listed on a slide in APA format.

When completed, the presentation should be posted in the group's area.

Note: It is not necessary to run the presentation through Turnitin.

Each team member is to prepare a peer evaluation form which describes each teammate's contribution to the group project. Adjustments will be made to a student's group project score if his/her teammates indicate a lack of participation or other issue. A copy of this form is to be e-mailed to the instructor.
Rubric for Group Project

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Excellent (90-100)</th>
<th>Good (80-89)</th>
<th>Poor (70-79)</th>
<th>Unsatisfactory (Below 70)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content (75%)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Purpose</strong> (5%)</td>
<td>The central purpose is very clear to the audience and reflected throughout the presentation.</td>
<td>The central purpose is adequately clear, relevant to the assignment and generally reflected throughout the presentation.</td>
<td>The central purpose is not well stated, somewhat relevant to the assignment and/or not consistently reflected throughout the presentation.</td>
<td>The central purpose is absent, not relevant to the assignment and/or poorly reflected in the content of the presentation.</td>
</tr>
<tr>
<td><strong>Knowledge and Understanding of Technology or Technologies</strong> (30%)</td>
<td>Presentation reflects a strong depth of knowledge and understanding of the technology or technologies covered in the case study. Information presented is accurate and relevant.</td>
<td>Presentation reflects an adequate depth of knowledge and understanding of the technology or technologies covered in the case study. Minor inaccuracies were noted and the information was generally relevant.</td>
<td>Presentation reflects a limited depth of knowledge and understanding of the technology or technologies covered in the case study. Several inaccuracies were noted and some irrelevant material was present.</td>
<td>Presentation reflects a lack of knowledge and understanding of the technology or technologies covered in the case study. The paper is fraught with inaccurate information that was often irrelevant.</td>
</tr>
<tr>
<td><strong>Analysis of Case Study Questions</strong> (25%)</td>
<td>Highly relevant and legitimate response that addresses the questions and demonstrates a thoughtful, in-depth analysis. Audience gains important insights.</td>
<td>Reasonable response that addresses the questions and demonstrates an adequate level of analysis. Audience gains some insights.</td>
<td>Response that only partially address the questions. Analysis is basic. Audience gains few insights.</td>
<td>Response does not address the questions adequately. Analysis is vague or not evident. Audience is confused.</td>
</tr>
<tr>
<td><strong>Conclusion</strong> (5%)</td>
<td>The conclusion is insightful, logical and aligned with the purpose of the paper. Conclusions represent important insights drawn from the analysis.</td>
<td>The conclusion is plausible, logical and generally aligned with the purpose of the paper. Conclusions represent some insights drawn from the analysis.</td>
<td>The conclusion is weak, lacks logic, and/or loosely aligned with the purpose of the paper. Conclusions represent very few insights drawn from the analysis.</td>
<td>The conclusion is missing or does not represent the results from the analysis.</td>
</tr>
<tr>
<td>References (10%)</td>
<td>Measures the depth and quality of research</td>
<td>References are scholarly, primarily peer-reviewed professional journals or other approved sources (e.g., official government documents). The reader is confident that the information and ideas can be trusted.</td>
<td>References are broad and varied. Most references are scholarly. The reader is uncertain of the reliability of a few of the sources.</td>
<td>Most of the references are from sources that are not peer-reviewed and have uncertain reliability (e.g., wikis and blogs). The reader doubts the accuracy of much of the material presented.</td>
</tr>
</tbody>
</table>

| Format (25%) | Presentation Approach (including Writing Style) (15%) | Graphics, figures, tables, layout and other design elements significantly help in delivering the intended message. Information is consistently well-phrased and structured. They flow smoothly from one to another. Word choice is consistently precise and accurate. The tone is consistently professional and appropriate for a professional presentation. The writing is free or almost free of errors. | Graphics, figures, tables, layout and other design elements assist in delivering the intended message. Information is adequately phrased and structured. The flow is generally smooth. Word choice is acceptable. The tone is generally professional. For the most part, it is appropriate for a professional presentation. There are occasional errors, but they do not represent a major distraction or obscure meaning. | Graphics, figures, tables, layout and other design elements are sometimes poorly constructed so that the audience is occasionally distracted. Word choice is merely adequate, and the range of words is limited. Some words are used inappropriately. The tone is not consistently appropriate for professional presentation. The writing has many errors, and the reader is distracted by them. | Graphics, figures, tables, layout and other design elements are awkwardly constructed so that the audience is frequently distracted. Many words are used inappropriately, confusing the reader. The tone is inappropriate. It is not a professional presentation. There are so many errors that meaning is obscured. The reader is confused. |

| APA Format (10%) | Determines the level of compliance with the latest APA Style Manual | APA format is used accurately and consistently particularly on the “References” page. | APA format is used with minor errors. | There are frequent errors in APA format. | Format of the “References” page and other elements are not recognizable as APA. |

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### Academic Policies

**Academic Policies and Guidelines**

**ACADEMIC INTEGRITY**

As a member of the University of Maryland University College (UMUC) academic community that honors integrity and respect for others you are expected to maintain a high level of personal integrity in your academic work at all times. Your work should be original and must not be reused in other courses.

**CLASSROOM CIVILITY**

Students are expected to work together cooperatively, and treat fellow students and faculty with respect, showing professionalism and courtesy in all interactions. Please review the Code of Civility for more guidance on interacting in UMUC classrooms: [http://www.umuc.edu/students/support/studentlife/conduct/code.cfm](http://www.umuc.edu/students/support/studentlife/conduct/code.cfm).

**POLICIES AND PROCEDURES**

UMUC is committed to ensuring that all individuals are treated equally according to Policy 040.30 [Affirmative Action, Equal Opportunity, and Sexual Harassment](http://www.umuc.edu/students/support/studentlife/conduct/code.cfm).
Students with disabilities who need accommodations in a course are encouraged to contact the Office of Accessibility Services (OAS) at accessibilityservices@umuc.edu, or call 800-888-UMUC (8682) or 240-684-2287 (tel:240-684-2287).

The following academic policies and procedures apply to this course and your studies at UMUC.

150.25 **Academic Dishonesty and Plagiarism** – UMUC defines academic dishonesty as the failure to maintain academic integrity. All charges of academic dishonesty will be brought in accordance with this Policy.

*Note:* Your instructor may use Turnitin.com, an educational tool that helps identify and prevent plagiarism from Internet resources, by requiring you to submit assignments electronically. To learn more about the tool and options regarding the storage of your assignment in the Turnitin database go to: [http://www.umuc.edu/library/libresources/turnitin.cfm](http://www.umuc.edu/library/libresources/turnitin.cfm).

170.40 The following policies describe the requirements for the award of each degree:

170.41

170.42

*Degree Completion Requirements for the Graduate School*

*Degree Completion Requirements for a Bachelor’s Degree*

*Degree Completion Requirements for an Associate’s Degree*

170.71 **Policy on Grade of Incomplete** - The grade of I is exceptional and only considered for students who have completed 60% of their coursework with a grade of B or better for graduate courses or C or better for undergraduate courses and request an I before the end of the term.

170.72 **Course Withdrawal Policy** - Students must follow drop and withdrawal procedures and deadlines available at [http://www.umuc.edu/](http://www.umuc.edu/) under Academic Calendar.

130.80 **Procedures for Review of Alleged Arbitrary and Capricious Grading** – appeals may be made on final course grades as described herein.

205.06 **Calculation Of Grade-Point Average (GPA) for Inclusion on Transcripts and Transcript Requests** – Note: Undergraduate and Graduate Schools have different Grading Policies (i.e. The Graduate School does not award the grade of D). See Course Syllabus for Grading Policies.

**COURSE EVALUATION SURVEY**

UMUC values its students’ feedback. You will be asked to complete an online evaluation toward the end of the term. The primary purpose of this evaluation process is to assess the effectiveness of classroom instruction in order to provide the best learning experience possible and make continuous improvements to every class. Responses are kept confidential. Please take full advantage of this opportunity to provide your feedback.

**LIBRARY SUPPORT**

Extensive library resources and services are available online, 24 hours a day, seven days a week at [http://www.umuc.edu/library/index.cfm](http://www.umuc.edu/library/index.cfm) to support you in your studies. The UMUC Library provides research assistance in creating search strategies, selecting relevant databases, and evaluating and citing resources in a variety of formats via its Ask a Librarian service at [https://www.umuc.edu/library/libask/index.cfm](https://www.umuc.edu/library/libask/index.cfm).

**LEARNING MANAGEMENT SYSTEM SUPPORT**

To successfully navigate the online classroom new students are encouraged to view the Classroom Walkthrough under Help in the upper right menu of the LEO classroom. Those requiring technical assistance can access Help@UMUC Support directly in LEO under the Help menu. Additional technical support is available 24 hours a day, seven days a week via self-help and live chat.
# Class & Assignment Schedule

## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics and Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IT Foundations</td>
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<tr>
<td></td>
<td>- Foundations of Information Systems</td>
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<td></td>
<td>- Future of Information Technology</td>
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<td></td>
<td>- Information Management and IT Architecture</td>
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<tr>
<td></td>
<td><strong>Readings:</strong></td>
</tr>
<tr>
<td></td>
<td>- Turban, Ch. 1 – A Look Toward the Future of Information Technology;</td>
</tr>
<tr>
<td></td>
<td>- Turban, Ch. 2 (skip Sections 2.3, 2.4 and 2.5) – Information Management and IT Architecture</td>
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<tr>
<td></td>
<td>- Lecture Notes - IT Foundations</td>
</tr>
<tr>
<td></td>
<td><strong>Assignments:</strong></td>
</tr>
<tr>
<td></td>
<td>- Weekly Discussion Questions</td>
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<tr>
<td></td>
<td>- Weekly Hands-on Activity</td>
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<tr>
<td>2</td>
<td>Mobile and Internet Technology Trends</td>
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<tr>
<td></td>
<td>- Mobile Technologies</td>
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<td></td>
<td>- Web 2.0</td>
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<td>- Social Media</td>
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<td></td>
<td><strong>Readings:</strong></td>
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<tr>
<td></td>
<td>- Turban, Ch. 7 - Mobile Technologies and Commerce;</td>
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<tr>
<td></td>
<td>- Turban, Ch. 8 – Web 2.0 and Social Media</td>
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<td></td>
<td>- Lecture Notes - Mobile and Internet Technology Trends</td>
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<td><strong>Assignments:</strong></td>
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<tr>
<td></td>
<td>- Weekly Discussion Questions</td>
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<td>- Weekly Hands-on Activity</td>
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<tr>
<td>3</td>
<td><strong>Data Resource Management</strong></td>
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<tr>
<td></td>
<td>* Database Management</td>
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<td>* Data Warehouse</td>
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<td>* Data Mining</td>
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<td>* Business Intelligence and Analytics</td>
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<td>* Document Management</td>
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<td>* Big Data</td>
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</tbody>
</table>

Readings:
* Turban, Ch. 3 – Database, Data Warehouse and Data Mining
* Lecture Notes - Data Resource Management

Assignments:
* Weekly Discussion Questions
* Weekly Hands-on Activity

*Individual Research Paper Topic & Abstract Due*

*Group Project Teams Assigned*

<table>
<thead>
<tr>
<th>4</th>
<th><strong>Network Systems and Cloud Services</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>* Networks</td>
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<td>* Collaboration</td>
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<td></td>
<td>* Sustainability</td>
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<td></td>
<td>* Cloud Computing and Virtualization</td>
</tr>
</tbody>
</table>

Readings:
* Turban, Section 2.4 on Cloud Computing Services; Section 2.5 on Virtualization and VM; and
* Turban, Ch. 4 – Networks, Collaboration and Sustainability
* Lecture Notes - Network Systems and Cloud Services

Assignments:
* Weekly Discussion Questions
* Weekly Hands-on Activity

<table>
<thead>
<tr>
<th>5</th>
<th><strong>Midterm Exam</strong></th>
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<tr>
<td></td>
<td>* Group Project Teams Assigned*</td>
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<tr>
<th>6</th>
<th><strong>E-Commerce and Enterprise Applications</strong></th>
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<tr>
<td></td>
<td>* E-Business and E-Commerce</td>
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<td></td>
<td>* Functional Area Systems</td>
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<td></td>
<td>* Enterprise Systems</td>
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</tbody>
</table>

Readings:
* Turban, Ch. 6 – E-Business and E-Commerce Models and Strategies;
* Turban, Ch. 9 – Functional Area and Compliance Systems; and
* Turban, Ch. 10 - Enterprise Systems and Applications
* Lecture Notes - E-Commerce and Enterprise Applications

Assignments:
* Weekly Discussion Questions
* Weekly Hands-on Activity
### Decision Support Systems and Global Management of IT

- Decision Support Systems
- Performance Management (Data Visualization and Dashboards)
- Global IT Management

**Readings:**
- Turban, Sec. 2.3 on Decision Support Systems and
- Turban, Ch. 11 – Performance Management Using Data Visualization, Mashups and Mobile Intelligence
- Lecture Notes - Decision Support Systems and Global Management of IT

**Assignments:**
- Weekly Discussion Questions
- Weekly Hands-on Activity

### IT Strategy, Processes and Project Management

- IT Strategy
- Business Process
- Project Management

**Readings:**
- Turban, Ch. 12 – IT Strategy, Sourcing and Vendor Relationships; and
- Turban, Ch. 13 – Business Process and Project Management
- Lecture Notes - IT Strategy, Processes and Project Management

**Assignments:**
- Weekly Discussion Questions
- Weekly Hands-on Activity

*Individual Research Paper Due*

### Security and Ethical Challenges

- Cyber Security
- Ethical and Responsible Conduct

**Readings:**
- Turban, Ch. 5 – Cyber Security, Compliance and Business Continuity; and
- Turban, Ch. 14 - IT Ethics and Responsible Conduct
- Lecture Notes - Security and Ethical Challenges

**Assignments:**
- Weekly Discussion Questions
- Weekly Hands-on Activity

### Final Exam

### Group Project Due

### Ethical Discussion Topic