



Information Systems Department

## Course Syllabus

### IS622 - Emerging Technologies and Issues

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<b>Catalog Description:</b>	This course addresses emerging technologies, how they evolve, how to identify them and the effect of international, political, social, economic and cultural factors on them. Topics covered in the course include accuracy of past technology forecasts, how to improve them, international perspectives on emerging technologies, future organizational and customer trends, and forecasting methodologies including monitoring, expert opinion, trend analysis and scenario construction.
<b>Credit Hours:</b>	<b>3 Credit hours:</b> 3 Lectures per week      0 Labs. per week      0 Recitation per week
<b>Prerequisites:</b>	No Pre-requisites
<b>Course Learning Outcomes:</b>	<ol style="list-style-type: none"><li>1. Describe the main characteristics of emerging technologies.</li><li>2. List the factors that influence how relevant an emerging technology will be in the long run.</li><li>3. Summarize ways of leveraging the technology to improve intra and inter-organizational processes and enhance a firm's competitive position.</li><li>4. Explain how emerging technologies could help in taking advantage of entrepreneurial opportunities.</li><li>5. Illustrate how emerging technologies could be used in a specific domain area and for a specific audience.</li><li>6. Demonstrate an effective ways to use emerging technologies.</li></ol>
<b>Major Topics:</b>	<ul style="list-style-type: none"><li>• Introduction to Emerging Technologies</li><li>• A Look Toward the Future of Information Technology</li><li>• Information Management and IT Architecture</li><li>• Database, Data Warehouse, and Data Mining</li><li>• Cyber Security, Compliance, and Business Continuity</li><li>• Mobile Technologies and Commerce</li><li>• Web 2.0 and Social Media</li><li>• Semantic Web</li><li>• Cloud Computing: Technical perspective &amp; Managerial Implications</li><li>• Ubiquitous Computing</li><li>• Bigdata</li></ul>
<b>Text Books:</b>	Information Technology for Management: On-Demand Strategies for Performance, Growth and Sustainability, 11th Edition, by Efraim Turban, Carol Pollard, Gregory Wood; Wiley Publisher (May 14, 2018); ISBN-13: 978-1119441137, ISBN-10: 1119441137



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#### Grading:

- ⊙ The grading scale for this course is:

95 - 100	A+	Passing
90 - 94	A	Passing
85 - 89	B+	Passing
80 - 84	B	Passing
75 - 79	C+	Passing
70 - 74	C	Passing
0 - 69	F	Failing

- ⊙ Final grades will be determined based on the following components:

- . 60% Semester Work
- . 40% Final Exam

- ⊙ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.

- ⊙ Late submissions will not be accepted for any graded activity for any reason.

- ⊙ Students have one week to request the re-grading of any semester work.

Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

#### Attendance Policy:

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

#### Cheating and Plagiarism Policy:

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.



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**Communications:** Registered students will be given access to a section of the Learning Management System (LMS) for this course. LMS will be used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.

Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.