

## **TM 660 Spring Semester 2006**

### **Instructor**

Allen Clarkson, MS, MCSE

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304-654-7396

The best means of communication is by email, though students may feel free to call the instructor during normal business hours (9AM-5PM Mon-Fri). Telephone messages will be returned as soon as possible.

### **Required Materials**

There is no text required for this course. This should not be interpreted to indicate that there are no reading requirements. This course will utilize electronic resources accessible to all registered students at Marshall. We will use a combination of scholarly, professional, and general-public articles and resources. Reading assignments and links to material will be available through the course website on the Vista platform.

### **Attendance/Participation**

This is a graduate level course and a requirement for the Technology Management program. As such, it goes without specifying that attendance in class and participation where appropriate will benefit each student. Because much of the class may proceed in group discussions or group questions, your input will be of value to your classmates. Students are, therefore, expected to attend class and to remain in attendance for the entire meeting. In the event that you are unable to attend class because of work or personal emergency, send an email BEFORE class begins with a simple note that you will not be in attendance. If you must leave early, do so at break or with minimal disruption to those around you. Excessive absences, excused or unexcused, and/or excessive early departures, will be brought to the attention of the department head and/or Dean for review and appropriate action.

### **Objectives**

By the conclusion of the course, students will be:

- Conversant in the properties of information systems for collaboration both within and among organizations.
- Able to explain present and future trends in information systems with a particular understanding of how emerging technologies accentuate and displace hardware, software, and information management theory.
- Champions for the development of information systems strategy which will align with the unique needs of an agency or institution.

## Calendar

<u>DATE</u>	<u>TOPIC</u>	<u>DEADLINES</u>
January 1	Course Introduction, Definitions, Emerging Technology, Adoption Patterns	<ACCESS VISTA> <EMAIL INSTRUCTOR>
January 18	<NO CLASS MEETING>	
January 25	Tools for the “new” IT, information resources, Structures	
February 1	Information Delivery, XML, RSS, Blogs, Podcasts	
February 8	Open Source	
February 15	The Internet as Platform	
February 22	A step back to Hardware	
March 1	Identity and Trust	<FINAL TOPIC SELECTION>
March 8	Networking: Ethernet, Wireless, Mesh, Cellular, Nano	<MIDTERM AVAILABLE>
March 15	Defining Emerging Technologies (Reprise)	<MIDTERM DUE> <LAST WEEK FOR 1 <sup>st</sup> ARTICLE REVIEW>
March 22	SPRING BREAK <NO CLASS>	
March 29	Semantics: RDF, the semantic Web	<LITERATURE REVIEW DUE>
April 5	Security I – An Inside Job	
April 12	Folksonomies, Social Software	
April 18	Adopting Emerging Technologies - strategy	
April 25	Security II – Cybercrime, PRESENTATIONS	
May 3	PRESENTATIONS	<PAPERS DUE>

## Submissions

All coursework will be submitted by email to [clarkson6@marshall.edu](mailto:clarkson6@marshall.edu). Attachments can be in the following formats:

Adobe	PDF (preferred)
OpenOffice	ODT or SWX
Microsoft Word	DOC
Rich Text Format	RTF

Subject line should indicate course, your last name, and the assignment. For example, your first article review assignment would be submitted with the subject: **TM660 Lastname Article Review 1**

## Article Reviews

Each student is responsible for submitting eight (8) Article Reviews over the course of the semester. No more than one (1) review can be submitted per week. Start these early in the semester so that you do not fall behind and run out of weeks to submit. You may choose articles from any source you desire, tech press, major news source, trade publications, etc. The article review must include the following sections:

Your Name:  
Article Title:  
Article Source (including URL if available):  
Article Date:  
Summary: 50-75 words summarizing the content in the article

The articles you chose should describe an emerging technology or innovative use of technology in business.

Your review must be in English, but the source article may be in any of the following languages: English, Spanish, French, Italian, or German. See the guidelines for the submission process above.

### **Midterm Exam**

An exam will be administered approximately midway through the semester. This exam will cover the content from the first half of the course. The exam will be open book, note, Internet, etc. The format will be short answer and short essay. It will be take-home and require that you submit a file as outlined above.

### **Final Project**

The final project serves as a demonstration that each student can apply the material covered in the course to a real world situation. The project will examine a specific emerging technology in depth including providing technical information, historical background, and examples of the technology's adoption. The project consists of three parts: (1) an annotated literature review (2) an in-class topic presentation and (3) a paper submission. Topics must be chosen and approved by March 1 (though students are encouraged to select early), the literature review is due March 29, the presentations will be scheduled for the last two weeks of class, and the final paper is due during the final week of class. This is intended to be an individual project; however, you may work in pairs if you wish, but *not* in groups. Individuals working in pairs will be evaluated separately within the discretion of the instructor. Additional information will be distributed for this assignment during the course of the semester including specific guidelines for the paper. The literature review and paper will be submitted as outlined above.

### **Grading**

There are a total of 300 points possible in this course:

Class Participation/Attendance	20 points	
Article Reviews	80 points	(8 x 10 points each)
Midterm Exam	70 points	
Final Project	130 points	(30 lit. review, 30 presentation, 70 paper)
<hr/> TOTAL	300 points	(divide by 3 for percentage score and final grade)