

Rutgers University
School of Business-Camden
Emerging Information Technologies
53:623:513
Fall 2011 Monday 6:00 - 8:40 PM

Professor

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Recommended Text

Emerging Information Technologies: Improving Decisions, Cooperation, and Infrastructure, Kenneth E. Kendall, ed., Thousand Oaks, CA: SAGE Publications, Inc., 1999, 373 pages.

Prerequisite: 53:623:510

Course Objectives

Emerging information technologies are those excitingly novel technological advances that decision makers are just beginning to notice. Although these emerging products or processes may have been invented some time ago, they are only now beginning to be noticed or appreciated by knowledge workers and decision makers.

This is a graduate level class and you will be asked to complete numerous projects.

Successful students should be able to:

- 1. Understand what emerging information technologies are and why it is important for us to learn about them**
- 2. Realize what the barriers to adoption in the business world are**
- 3. Learn how to use these emerging technologies in supporting decisions, facilitating cooperation, and enabling the infrastructure**
- 4. Be able to communicate the nature and purpose of these emerging technologies to other organizational members**

Grading Item	%
First Examination	25
Second examination	25
PowerPoint presentations	10
Project 1	20
Final project	20
	100

General Policies

- Limited grading feedback will be available before the last day to drop the course.
- This is a hybrid course. Some assignments and lectures will require the use of Sakai or eCompanion.
- Students are expected to attend and participate in every in-class or online session. Come to class prepared to contribute to the discussion. Read the chapters and any relevant outside material you can find.
- Duties related to your employment or business do not provide an acceptable excuse for class absences, or missed examinations. Make-up exams for non-university approved reasons are not guaranteed. If, for a university approved reason, you cannot take an exam at the scheduled time you must give the professor written notice at least one week in advance so that other arrangements can be made. If the situation does not allow for advance notification (for example, emergency hospitalization), contact the professor as soon as possible after a missed exam and be prepared to provide written documentation to support your absence (such as a doctor's note).
- No** incomplete will be given.
- All changes and announcements will be made in class at least once. If you anticipate being absent from class, find a classmate who can pick up handouts etc. for you, as you are responsible for keeping up with this course. Handouts will be brought to class only once.
- If a student wishes to have an exam or assignment regraded, the student should resubmit the exam or assignment to me before the next class period. I will regrade the assignment (up or down) **only if no** additional explanation is offered (written or oral).
- Late projects will be penalized by one complete letter grade (e.g. an A would become a B; on a 100 point scale a 93 would become an 83).
- If Rutgers cancels classes for a snow or other emergency, this class will not meet. If an exam is scheduled and the university is closed, the exam will be postponed one class period. Check the course Web page for possible class cancellations. If Rutgers cancels classes on a day when no exam is scheduled, expect the exam to take place on the date originally scheduled. Generally, exams will not be postponed, and grades or questions will be adjusted if necessary.
- Grading: 90 or above is A; 87-89 is a B+; 80-86 is a B; 77-79 is a C+, etc.
- This is a project course. The "final" in this course is the term project.
- Students are required to turn off their cell phones while they are in class, unless there is an emergency. Emailing, texting, and Web-surfing other than assignments should not be done in class.
- Students should come to class on time and should stay in class throughout the class period. You have permission to leave the room in an emergency.

<i>Date</i>	<i>Day</i>	<i>Topic</i>	<i>Reading</i>
9/8	Thursday	Introduction to emerging technologies	Preface
9/12	Monday	How information technologies support decision making, facilitate cooperation, and enable the information infrastructure; Web pull systems (including search engines);	Chapter 1 Reading 2
9/19	Monday	Collaborative filtering including recommendation systems Project 1 Proposal Due	Reading 3
9/26	Monday	Animation used for decision support Project presentations 1	Reading 4
10/3	Monday	Using hypertext for problem solving; Project presentations 2	Reading 5
10/10	Monday	Virtual teams in organizations; Project presentations 3	Reading 6
10/17	Monday	Data warehousing Project presentations 4 Project 2 Proposal due	Reading 7
10/24	Monday	Examination #1 (Readings 1-6 projects, and class discussions)	
10/31	Monday	Executive information systems; Project 1 Due Project presentations 5	Reading 10
11/7	Monday	Media Choice Project presentations 6	Reading 8
11/14	Monday	Group support systems; Project presentations 7	Reading 9
11/21	Monday	Happy Thanksgiving – No class	
11/28	Monday	Knowledge work productivity Project presentations 8	Reading 11
12/5	Monday	Examination #2 (Readings 7-11 projects, and class discussions)	
12/12	Monday	Final Project (Project 2) due ; Class discussion	
12/19	Monday	Online class and discussion; The future of technology	6:00 PM

<i>Number</i>	<i>Author(s)</i>	<i>Title Article on Library Reserve</i>
<i>Reading 1</i>	Kendall	Emerging Information Technologies: Information Technologies that ...
<i>Reading 2</i>	Kendall and Kendall	Web Pull and Push Technologies
<i>Reading 3</i>	Stohr and Viswanathan	Recommendation Systems: Decision Support ...
<i>Reading 4</i>	Gonzalez and Kasper	Animation in User Interfaces Design for Decision Support Systems
<i>Reading 5</i>	Ramarapu et al.	The Emergence of Hypertext and Problem Solving
<i>Reading 6</i>	Warkentin et al.	Virtual Teams versus Face-to-Face Teams
<i>Reading 7</i>	Gray	Data warehousing: Three Major Applications ...
<i>Reading 8</i>	King and Xia	Media Appropriateness
<i>Reading 9</i>	Rebstock Williams and Wilson	Group Support Systems, Power and influence ...
<i>Reading 10</i>	Rai and Bajwa	An Empirical Investigation into Factors Relating to the Adoption of Executive ...
<i>Reading 11</i>	Davis and Naumann	Knowledge Work Productivity: Features and Functions ...