

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299
Winter 2018

Course: CIS350 [E] Information Technology

Credit: 4 Quarter Hours

Method of Delivery: eLearning

Course Description: This course is a study in the management of information technology resources and the effects of information technology on organizations. Current trends in information technology, including competitive and strategic uses of information, and identifying and accessing information sources will be utilized to provide students with an understanding of this rapidly changing environment.

Prerequisite: CIS202 - Systems Analysis and Design

Text(s) & Manual(s): *Business Driven Technology, 7th Edition*

Author(s): Paige Baltzan

Publisher: McGraw Hill ISBN: 978-1-259-56732-2

Materials needed for this course:

Hardware/Software and Equipment: Computer system with Internet access, Windows 7, and Office 2016 (PowerPoint, Word, & Excel).

Topics:

1. Achieving Business Success
2. Exploring Business Intelligence
3. Streamlining Business Operations
4. Building Innovation
5. Transforming Organizations

Learning Objectives: Upon completion of this course the student will be able to:

1. Understand the foundation and the basic concepts of Information Technologies.
2. Interpret the interplay between organizational strategy and information technology capabilities.
3. Differentiate the importance of matching appropriate technology to a specific need from obtaining the latest technology just for the sake of having it.
4. Analyze the ways in which information systems may be used to improve organizational profitability and help organizations compete more effectively.
5. Analyze how information systems may be used to help make decision making more effective.
6. Integrate IT to achieve business goals and strategies.
7. Categorize the main trends in IT.

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299

Midstate Grading Scale:	90 – 100	A
	80 – 89	B
	70 – 79	C
	60 – 69	D
	0 – 59	F

Midstate Plagiarism Policy: Plagiarism is using another person’s words, either by paraphrase or direct quotation, without giving credit to the author(s). Plagiarism can also consist of cutting and pasting material from electronic sources by submitting all or a portion of work for assignment credit. This includes papers, computer programs, music, sculptures, paintings, photographs, etc. authored by another person without explicitly citing the original source(s). These actions violate the trust and honesty expected in academic work. Plagiarism is strictly against the academic policy of Midstate College. Its seriousness requires a measured, forceful response which includes consequences for inappropriate and/or no citation.

In courses containing writing assignments, the College promotes the use of an electronic resource which compares the student’s writing against previously submitted papers, journals, periodicals, books, and web pages. Students and instructors can use this service to reduce the incidence of plagiarism. This electronic resource has been found to conform to legal requirements for fair use and student confidentiality. It is able to provide a report to the student indicating the parts of the assignment that match.

Student Success: The Office of Student Success is available to students seeking tutoring for individual classes or who need assistance with writing assignments. Information is also available on test taking techniques, how to take notes, developing good study skills, etc. Contact Student Success in Room 110 (in person); (309) 692-4092, extension 1100 (phone); studentsuccess@midstate.edu (email).

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299

Instructor: Nancy Franklin Room/Phone: 124 / 692-4092 ext. 1240
Midstate E-mail: nafranklin@midstate.edu Office hours: By appointment only

Policies and Procedures:

- eLearning = To be considered in attendance for an eLearning course, the student must participate each week by submitting substantial, gradable work.
- **Time management** is critical in business world, it is critical in our class as well. Please make sure that you meet all deadlines specified in class. All assignment (projects, trainings and exams) should be submitted in on time.
- Each week your assignments are worth 100 points. To receive full credit, assignments must be posted by due date. Time extensions on homework are considered on a case-by-case basis, and requests following due date will not be granted. Late work will be docked 20% for each week it is late. If you're experiencing problems and want an extension on due date, request needs to be made before work is due to be considered. **NO LATE HOMEWORK WILL BE ACCEPTED AFTER WEEK TEN.** Exams must be taken during the Week they are assigned.
- **Good writing skills** (proper spelling, punctuation, usage of meaningful sentences and paragraphs) should be demonstrated in each assignment, class postings, and message.
- Each written communication assignment must be typed and emailed to the instructor electronically. **Each file should be clearly named and have student's name.**
- **ALL research papers should be developed using the MLA format.** Go to [P:\ Writing Across Curriculum\Writing sample 3 – formal essay.doc](#) for instructions on how to write a paper in MLA format. There's also a sample template called "*written assignment template example.doc*" on the P: drive that can be used to start the paper.

Participation Requirements: Class participation, by posting in the Week Discussion Forum per week is worth 20% of the grade (please remember that it can make a difference between "A" and "C"). Discussion Forum is Required Post - you must post there first before being allowed to view others messages. The Discussion Forum expires at the close of each eLearning Week at 8 am on Monday. Discussion posts for participation can only be made during the specific Week of the course schedule. Midstate College is an attendance taking, term based institution. This means that attendance must be taken for the entire term on the dates and times specified by the delivery of the course. For the student to be counted as attending, he/she must adhere to the attendance regulations of that course. To be considered in attendance for an eLearning course, the student must participate each week by submitting substantial, gradable work.

Examination Information: There will be Quizzes, Midterm Exam, and Final Exam.

Methods of evaluating student performance:

- Midterm and Final Exams and Written Communication Assignments will be given to assess student comprehension of the material learned from the text and through lecture.
- Discussion Questions and Class Participation will also be used to evaluate the learner.

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299

Instructor's Grading Scale:

These percentages are all approximate values

Written Assignments (Project 1&2 and Case Studies)	50%
Midterm and Final Exams	40%
Attendance/Class participation	10%

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299
CIS350 Weekly Schedule

WEEK 1:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Interpret the interplay between organizational strategy and information technology capabilities.

Topics:

Unit 1: Achieving Business Success

- Chapter 1: Business Driven Technology
- Chapter 2: Identifying Competitive Advantages

Assignments:

1. Required Reading:
 - a. Chapter 1: Business Driven Technology
 - b. Chapter 2: Identifying Competitive Advantages
2. Chapter Assessment:
 - a. Review Unit 1 Opening Case Study (Costco) on pages 2-3.
 - b. **Answer opening case study questions on pages 16 and 31 in paragraph format using your own words.** (Critical Thinking Rubric).
 - i. **Note: Submit responses in a word document using APA format.**
3. **Discussion Forum: Participate in discussion forum for this week in LMS**
4. **Research Paper 1 - Research Paper Topic:**
 - a. **Choose and submit your research paper topic in LMS**

WEEK 2:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Interpret the interplay between organizational strategy and information technology capabilities.
- Integrate IT to achieve business goals and strategies.
- Analyze the ways in which information systems may be used to improve organizational profitability and help organizations compete more effectively.

Topics:

- Chapter 3: Strategic Initiatives for Implementing Competitive Advantages
- Chapter 4: Measuring the Success of the Strategic Initiatives

Assignments:

1. Required Reading:
 - a. Chapters 3 and 4.

2. Chapter Assessment:
 - a. Read Chapter Three Case: Amazon Drone Knocking on page 52.
 - b. Answer Chapter Three Case questions on page 52.**
 - c. Read Chapter Four Case: Manipulating the Data to Find Your Version of the Truth on pages 66.
 - d. Answer Chapter Four Case questions on page 66.**
 - e. **Answer Opening Case Study Questions on pg. 65.** (Critical Thinking Rubric).
 - i. Note: Submit all responses in a word document using APA format.*
3. **Discussion Forum: Participate in discussion forum for this week in LMS**
4. **Research Paper 1 - Write and submit a thesis statement. (See links for assistance)**

WEEK 3:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Analyze how information systems may be used to help make decision making more effective.

Topics:

- Chapter 5: Organizational Structures that Support Strategic Initiatives

Assignments:

1. Required Reading:
 - a. Chapter 5
2. Chapter Assessment:
 - a. Read Chapter Five Case: Targeting Target on pages 77 and 78.
 - b. Answer Chapter Four Case questions on page 66**
 - c. Review Unit Closing Case One: The Internet of Things pages 83 and 84.
 - d. Answer questions on page 84.**
 - e. **Answer Opening Case Study Questions on pg. 77.** (Critical Thinking Rubric).
 - i. Note: Submit all responses in a word document using APA format.*
3. **Research Paper 1: Submit draft of your work cited page done in APA format.**
4. **Discussion Forum: Participate in discussion forum for this week in LMS**
5. **Complete Quiz on Chapters 1-5 in LMS**

WEEK 4:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Integrate IT to achieve business goals and strategies.
- Analyze how information systems may be used to help make decision making more effective.

Topics:

- Case Studies

Assignments:

1. Required Reading:
 - a. Unit One Summary
2. Chapter Assessment:
 - a. Review Unit Closing Case Two: Five Ways Hackers Can Get Into Your Business pages 85 and 86.
 - b. **Answer questions on page 86.**
 - c. **Review and answer questions for 1. Capitalizing on Your Career on page 87.** (Critical Thinking Rubric).
 - i. **Note: Submit all responses in a word document using APA format.**
3. **Research Paper 1: Submit your outline for approval.**
4. **Discussion Forum: Participate in discussion forum for this week in LMS.**

WEEK 5:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Differentiate the importance of matching appropriate technology to a specific need from obtaining the latest technology just for the sake of having it.
- Interpret the interplay between organizational strategy and information technology capabilities.

Topics:

Unit 2: Exploring Business Intelligence

- Chapter 6: Valuing and Storing Organizational Information - Databases
- Chapter 7: Accessing Organizational Information – Data Warehousing
- Chapter 8: Understanding Big Data and Its Impacts on Business

Assignments:

1. Required Reading:
 - a. Chapters 6, 7, and 8.
2. Chapter Assessment:
 - a. Review Unit 2 Opening Case Study (Big Data, Big Business, Big Opportunities) on pages 95-97.
 - b. **Answer Opening Case study questions on page 113, 126, & 144 in paragraph format using your own words.** (Critical Thinking Rubric).
 - i. **Note: Submit all responses in a word document using APA format.**
3. **Project 1: Submit your research paper 1st draft in to Turnitin.**
4. **Discussion Forum: Participate in discussion forum for this week in LMS**

WEEK 6:

- Complete Midterm Exam on LMS
- **Research Paper 1: Submit your final research paper.**
- Discussion Forum: participate in discussion forum for this week in LMS

WEEK 7:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Differentiate the importance of matching appropriate technology to a specific need from obtaining the latest technology just for the sake of having it.
- Categorize the main trends in IT.

Topics:

- B6: Information Security
- B7: Ethics

Assignments:

1. Required Reading:
 - a. B-6 Plug-in pages 440-447.
 - b. B-7 Plug-in pages 450-456.
2. Chapter Assessment:
 - a. **Answer Making Business Decisions questions on pages 447-448.** (Critical Thinking Rubric).
 - b. **Answer Making Business Decisions questions on pages 456-459.** (Critical Thinking Rubric).
 - i. **Note: Submit all responses in a word document using APA format.**
3. **Project 2: Read Trends in IT Research and Analysis Project Instructions**
4. **Discussion Forum: participate in discussion forum for this week in LMS**

WEEK 8

Learning Objectives:

Upon completion of this week, the student will be able to:

- Analyze how information systems may be used to help make decision making more effective.
- Interpret the interplay between organizational strategy and information technology capabilities.
- Integrate IT to achieve business goals and strategies.

Topics:

Unit 3: Streamlining Business Operations

- Chapter 9: Enabling the Organization – Decision Making
- Chapter 10: Extending the Organization – Supply Chain Management

MIDSTATE COLLEGE
411 W. NORTHMOOR RD. PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299

- Chapter 11: Building a Customer-Centric Organization – Customer Relationship Management
- Chapter 12: Integrating the Organization from End to End – Enterprise Resource Planning

Assignments:

1. Required Reading:
 - a. Chapters 9, 10, 11, and 12.
2. Chapter Assessment:
 - a. Unit 3 Opening Case (The Connected Car Revolution) pgs. 161-162
 - b. **Answer Opening Case study questions on page 176, 189, 203 & 222 in paragraph format using your own words.** (Critical Thinking Rubric).
 - ii. *Note: Submit all responses in a word document using APA format.*
 - a. **Project 2: Trends in IT Research and Analysis Project Outline (separate instructions in LMS).**
3. **Discussion Forum: participate in discussion forum for this week in LMS**
4. **Complete Quiz on Chapters 9-12 in LMS**

WEEK 9

Learning Objectives:

Upon completion of this week, the student will be able to:

- Interpret the interplay between organizational strategy and information technology capabilities.
- Analyze how information systems can be used to support organizational functions and activities, regardless of how organization is structured.
- Categorize the main trends in IT.

Topics:

- B8: Operations Management
- B9: Sustainable MIS Infrastructure

Assignments:

1. Required Reading:
2. B-8 Plug-in on pages 460-468
3. B-9 Plug-in on pages 470-485
4. Chapter Assessment
 - a. **Answer Making Business Decisions questions on pages 468-469.** (Critical Thinking Rubric).
 - b. **Answer Making Business Decisions questions on pages 485-488.** (Critical Thinking Rubric).
 - i. *Note: Submit all responses in a word document using APA format*
5. **Project 2: Outline due; Start working on PPT presentation (PPT due Week 11)**
6. **Discussion Forum: participate in discussion forum for this week in LMS**

WEEK 10:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Integrate IT to achieve business goals and strategies.
- Categorize the main trends in IT.

Topics:

Unit 4: Building Innovations

- Chapter 13: Creating Innovative Organizations
- Chapter 14: eBusiness
- Chapter 15: Creating Collaborative Partnerships
- Chapter 16: Integrating Wireless Technology in Business

Assignments:

1. Required Reading:
 - a. Chapters 13,14,15, and 16
2. Chapter Assessment
 - a. Unit 4 Opening Case (Slack-Be Less Busy) pgs. 239-240
 - b. **Answer Opening Case study questions on page 250, 261, 275 & 292 in paragraph format using your own words.** (Critical Thinking Rubric).
 - c. Review Unit Closing Case One: BitCoin pages 299-301.
 - d. **Answer questions on page 301.**
 - i. **Note: Submit all responses in a word document using APA format.**
3. **Discussion Forum: Participate in discussion forum for this week in LMS**
4. **Complete Quiz on Chapters 13-16 in LMS**

WEEK 11:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Understand the foundation and the basic concepts of Information Technologies.
- Interpret the interplay between organizational strategy and information technology capabilities.
- Analyze the ways in which information systems may be used to improve organizational profitability and help organizations compete more effectively.
- Integrate IT to achieve business goals and strategies.

Topics:

Unit 5: Transforming Organizations

- Chapter 17: Developing Software to Streamline Operations
- Chapter 18: Methodologies for Supporting Agile Organizations
- Chapter 19: Managing Organizational Projects

Assignments:

1. Required Reading:
 - a. Chapters 17, 18, and 19
2. Chapter Assessment:
 - a. Unit 5 Opening Case (Gamer Delight) pgs. 310-311
 - b. **Answer Opening Case study questions on page 320, 332, and 347 in paragraph format using your own words.** (Critical Thinking Rubric).
 - c. Review Unit Closing Case One: To Share – Or Not to Share pages 352-355.
 - d. **Answer questions on page 355.**
 - i. *Note: Submit all responses in a word document using APA format.*
3. **Project 2: IT Trends Research & Analysis PPT Presentation due.**
4. **Discussion Forum: Participate in discussion forum for this week in LMS**

WEEK 12:

Learning Objectives:

Upon completion of this week, the student will be able to:

- Categorize the main trends in IT.
- Interpret the interplay between organizational strategy and information technology capabilities.
- Analyze how information systems may be used to help make decision making more effective.
- Integrate IT to achieve business goals and strategies.
- Understand the foundation and the basic concepts of Information Technologies.
- Differentiate the importance of matching appropriate technology to a specific need from obtaining the latest technology just for the sake of having it.
- Analyze the ways in which information systems may be used to improve organizational profitability and help organizations compete more effectively.

Topic:

- Finals week

Assignments:

1. **Final Exam**
2. **Discussion Forum: Participate in discussion forum for this week in LMS**