

Syllabus

Course Number: CIS 455

Course Title: Management Information Systems

Course Description:

This course explores organizational and technical imperatives of the management information system, and includes a general theory for management or organization. It also provides a framework for management theory, organization theory and information theory, and examines management information system technology and its physical and logical components, as well as introduces decision support and expert systems.

Prerequisite Courses:

None

Course Outcomes:

Upon the completion of this course, learners should be able to:

1. Describe the information age and the differences between data, information, business intelligence, and knowledge.
2. Explain the importance of decision making in business, and how business uses MIS to make decisions and gain competitive advantages.
3. Describe e-business and its related advantages and challenges for business.
4. Explain and identify ethical issues associated with MIS and identify and describe policies business should implement for protection against MIS-based threats.
5. Explain MIS infrastructure and describe the characteristics of MIS infrastructure.
6. Explain the value of information to business and describe the MIS tools available to business to best leverage this information.
7. Identify and explain the advantages and challenges presented to business in the use of MIS tools to create a connected and mobile business environment.
8. Analyze the importance of business communications and discuss the role communications play in connecting companies to their business partners.
9. Identify and describe the business benefits associated with Information Technology project management and systems development.

Course Materials:

Required Texts:

Students are required to have a copy of the text (either soft cover or loose leaf). Students have two options for purchasing these required materials as indicated below (please note the different ISBN numbers between the two selections):

Softcover text (new):

Baltzan, Paige (2014), *Business Driven Information Systems* (4th ed.)
McGraw-Hill/Irwin. ISBN-13: 9780073376899.

Loose Leaf:

Baltzan, Paige (2014), *Business Driven Information Systems* (4th ed.)
McGraw-Hill/Irwin. ISBN-13: 9780077506766. ISBN10: 111221758.

Optional Suggested Resources:

Adobe Acrobat Reader, RealPlayer

Required Technology:

Minimum Technology Requirements: <http://www.regis.edu/CPS/CPS-Student-Portal/College-for-Professional-Studies/Academic-Resources/Online-Learning/System-Requirements.aspx>

Pre-Assignment:

Online Format: Sign on to WorldClass (Home Page) and become familiar with the course navigation of the Online Curriculum. Complete the assigned readings in the Course Activities and Assignments table below for Week

Classroom-based Format: Complete the assigned readings in the Course Activities and Assignments table below for Week

Pre-Assignment Due Dates:

Classroom-based Format: This assignment is due the first night of class.

Online Format: The instructor will specify the due date for this assignment.

Course Assignments and Activities:

| | Topics | Readings *see Required Resources above | Assignments and/ or Assessments |
|---|--|--|--|
| 1 | Introduction to Management Information Systems | Baltzan (2014). Chapter 1 From the Expert: MIS Overview | Introductions – initial response required by Wednesday of Week 1 Discussion Questions Written Assignment: Porter's Model |

| | | | |
|---|---|---|---|
| 2 | Decisions and Processes | Baltzan (2014). Chapter 2 From the Expert: Decision Making and Planning | Discussion Questions Final Project Proposal Quiz 1- Chapters 1, 2 |
| 3 | Electronic Business | Baltzan (2014). Chapter 3 From the Expert: E-Business | Discussions Questions Final Project Outline |
| 4 | Ethics and Management Information Systems | Baltzan (2014). Chapter 4 From the Experts – Ethics and IT | Discussions Questions Quiz 2 - Chapters 3, 4 Continue Final Project |
| 5 | Management Information Systems Infrastructure | Baltzan (2014). Chapters 5, 7 From the Expert: Infrastructure | Discussion Questions Written Assignment: Cloud Computing paper Continue Final Project |
| 6 | Business Information | Baltzan (2014). Chapter 6 From the Expert: Business Data and Information | Discussions Questions Quiz 3 - Chapters 5, 6, 7 Continue Final Project |
| 7 | Business Communications | Baltzan (2014). Chapter 8 From the Expert: Telecommunications | Discussion Questions Continue Final Project |
| 8 | IT Project Management & Systems Development | From the Expert: Managing Information Systems | Discussion Questions Quiz 4 - Chapters 8, 9 Deliver Final Project |

Student Evaluation Grid:

| Assignment | Value (percent of overall course grade) |
|--|--|
| Discussion Questions/Class Participation (8 x 25 points) | 40% |
| Quizzes | 20% |
| Written Assignments | 15% |
| Final Project | 25% |
| Total | 100% |

CC&IS Grading Scale

| Letter Grade | Percentage | Grade Point |
|--------------|--------------------|-------------|
| A | 93 to 100 | 4.00 |
| A- | 90 to less than 93 | 3.67 |
| B+ | 87 to less than 90 | 3.33 |
| B | 83 to less than 87 | 3.00 |
| B- | 80 to less than 83 | 2.67 |
| C+ | 77 to less than 80 | 2.33 |
| C | 73 to less than 77 | 2.00 |
| C- | 70 to less than 73 | 1.67 |
| D+ | 67 to less than 70 | 1.33 |
| D | 63 to less than 67 | 1.00 |
| D- | 60 to less than 63 | .67 |
| F | Less than 60 | 0 |

Additional information about grading can be found in the latest edition of the University Catalog, available at <http://www.regis.edu/Academics/Course%20Catalog.aspx>.

CC&IS Policies and Procedures

Each of the following CC&IS Policies & Procedures is incorporated here by reference. Students are expected to review this information each term, and agree to the policies and procedures as identified here and specified in the latest edition of the University Catalog, available at <http://www.regis.edu/Academics/Course%20Catalog.aspx> or at the link provided.

- The CC&IS Academic Integrity Policy.
- The Student Honor Code and Student Standards of Conduct.
- Incomplete Grade Policy, Pass / No Pass Grades, Grade Reports.

- The Information Privacy policy and FERPA. For more information regarding FERPA, visit the [U.S. Department of Education](#).
- The HIPPA policies for protected health information. The complete Regis University HIPAA Privacy & Security policy can be found here: TBD
- The Human Subjects Institutional Review Board (IRB) procedures. More information about the IRB and its processes can be found here: <http://regis.edu/Academics/Academic-Grants/Proposals/Regis-Information/IRB.aspx>.

The CC&IS Policies & Procedures Syllabus Addendum summarizes additional important policies including, Diversity, Equal Access, Disability Services, and Attendance & Participation that apply to every course offered by the College of Computer & Information Sciences at Regis University. A copy of the CC&IS Policies & Procedures Syllabus Addendum can be found here: <https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx>.