PELLISSIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS

INFORMATION SYSTEMS
MGT 2100

Class Hours: 3.0  Credit Hours: 3.0
Laboratory Hours: 0.0  Revised: Fall 09

Note: This course is not designed for transfer credit.

Catalog Course Description:

An introduction to information systems. The course takes the user perspective in the analysis of organizational information needs, system design, system acquisition, and organizational impact of the system.

Entry Level Standards:

The beginning student should be able to read, write, speak, and reason at the college level.

Prerequisites:

MGT 2000, OST 1211 or OST 1005

Textbook(s) and Other Course Materials:

Required Textbook: Experiencing MIS, by David Kroenke

Recommended Reference: The Gregg Reference Manual, 10th ed., Sabin, William A., Glencoe/McGraw-Hill, Columbus, Ohio, 2004. (This text will be used in all management courses.)

Supplies: Blank CD’s or flash drive (recommended) for storing case study and project files.

I. Week/Unit/Topic Basis:

<table>
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<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Chapter 1: IS in the Life of Business Professionals</td>
</tr>
<tr>
<td>2</td>
<td>Chapter 2: Business Processes, Information, and Information Systems</td>
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<tr>
<td>3</td>
<td>Chapter 3: Organizational Strategy, Information Systems, and Competitive Advantage</td>
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<tr>
<td>4-5</td>
<td>Chapter 4: Hardware and Software</td>
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<tr>
<td>6</td>
<td>Chapter 5: Database Processing</td>
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<td>7</td>
<td>Chapter 6: Data Communications</td>
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<td>8</td>
<td>Chapter 7: Competitive Advantage with Information Systems within Organizations</td>
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<tr>
<td>9</td>
<td>Chapter 11: Information Systems Management</td>
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</tbody>
</table>
II. Course Objectives*:

A. Exhibit an adequate information system (I.S.) vocabulary. I, II, IV, V

B. Demonstrate an adequate knowledge of information system design, evaluation, and acquisition. I, III, IV, V

C. Demonstrate an adequate knowledge of how to use an information system to support organizational objectives. (I, II, III, V)

*Roman numerals after course objectives reference goals of the Management program.

III. Instructional Processes*:

Students will:

1. Practice elements of the work ethic such as professionalism, preparedness, punctuality, honesty, cooperation, dependability, contribution, effectiveness, good manners, etc. (social/behavioral sciences outcome; transitional strategy)

2. Implement partial solutions at the intermediate level to real-world management information system case study using spreadsheet, database and Web page development software. (communication outcome, mathematical outcome, technological literacy outcome, transitional strategy, active learning strategy)

3. As part of a team, research, write and give a professional business presentation of a major information systems plan for a simulated company. (communication outcome, humanities outcome, social/behavioral sciences outcome, history outcome, mathematical outcome, technological literacy outcome, transitional strategy, active learning strategy)

4. Communicate in-person and by email weekly with the instructor and/or teammates. (communication outcome, active learning strategy)

*Strategies and outcomes listed after instructional processes reference TBR's goals for strengthening general education knowledge and skills, connecting coursework to experiences beyond the classroom, and encouraging students to take active and responsible roles in the educational process.

IV. Expectations for Student Performance*:

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

1. Apply the systems development life cycle to a simulated business information system. A,B,C

2. Evaluate the need for a computer-based information system. A,B,C

3. Write User-based computer system specs. A,B,C

4. Design a basic information system. A,B,C
5. Write request for proposal. A,B
6. Evaluate the different system designs. A,B,C
7. Select one system design. A,B
8. Justify purchase of selected information system to management. A,B
9. Describe the impact the Internet and World Wide Web have on a business information system. A,B,C
10. Discuss the impact telecommunications has had on business information systems. A,B,C
11. Describe how information system supports various business functions, including accounting, finance, human resource management, marketing, and production and operations management. A,B,C
12. Identify and evaluate several major trends in the types, use, and management of information systems networks. A, B, C
13. Evaluate several types of electronic office communications. A, B, C
14. Compare types of reporting available in an information system. A,B,C
15. Identify and explain the major activities of transaction processing systems. A,B,C
16. Evaluate the capabilities of a decision support system and an executive information system. A,B,C
17. Identify the present and future impacts of artificial intelligence on business operations and management. A,B,C
18. Explain the major components of an expert system. A,B,C
19. Evaluate the effect of information system on society. A,C
20. Explain information system security considerations. A,B,C

*Letters after performance expectations reference the course objectives listed above.

V. Evaluation:

A. Testing Procedures:

This information will be provided in full detail via syllabus supplement by the instructor. A minimum of 2 exams is recommended for this course.

B. Laboratory Expectations:

Students will implement partial solutions to information system needs posed in assigned case studies as homework during the first 9 weeks of class using spreadsheet, database, and web-browser software. The instructor will demonstrate the techniques necessary to implement these solutions during scheduled lecture time.

C. Field Work:
Student will do a major team project. The details of this will be provided by the instructor.

D. Other Evaluation Methods:

Class participation, group work, and homework will also comprise the final grade for the course. Each instructor must provide full details during the first week of class via a syllabus supplement.

E. Grading Scale:

92 - 100  A  
89 - 91   B+  
82 - 88   B   
79 - 81   C+  
72 - 78   C   
65 - 71   D   
Below 65   F

VI. Policies:

A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled instructional activities. As a minimum, students in all courses must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. [NOTE: No differentiation is noted for excused/unexcused absences. These will be treated as an absence.] (Pellissippi State Online Catalog)

B. Academic Dishonesty:

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the instructor of the class. In addition to other possible disciplinary sanctions which may be imposed through the regular Pellissippi State procedures as a result of academic misconduct, the instructor has the authority to assign an F or a zero for the exercise or examination or to assign an F in the course. (Pellissippi State Online Catalog)

C. Accommodations for disabilities:

Students who need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Services for Students with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by going to Goins 134 or 126 or by phone: 694-6751 (Voice/TTY) or 539-7153. More information is available at www.pstcc.edu/departments/swd/.

D. Computer Usage Guidelines:

College-owned or operated computing resources are provided for use by students of Pellissippi State. All students are responsible for the usage of Pellissippi State’s computing resources in an effective, efficient, ethical and lawful manner. (Pellissippi State Online Catalog)