INFORMATION SYSTEMS
MGT 2100

Class Hours: 3.0
Credit Hours: 3.0
Laboratory Hours: 0.0
Date Revised: Spring 2000

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 and OST 1211 or OST 1221

Textbook(s) and Other Reference Materials Basic to the Course:

I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to the course and organize teams for the team simulation project</td>
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<tr>
<td>2</td>
<td>Introduction to Information Systems; Systems Development Life Cycle; Business Information Systems</td>
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<td>3</td>
<td>Hardware; Software</td>
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<td>4</td>
<td>Networks &amp; Telecommunication</td>
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<td>5</td>
<td>Word Processing &amp; Spreadsheets; Presentation Graphics &amp; Databases</td>
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<tr>
<td>6</td>
<td>Security, Privacy, &amp; Ethical Issues</td>
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<td>7</td>
<td>Information System Issues &amp; Trends</td>
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<tr>
<td>8</td>
<td>Mid-Term Test; Start Independent Team Simulation Project Work Weeks</td>
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<tr>
<td>9-12</td>
<td>Independent Team Simulation Project Work Weeks</td>
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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 I.S. I, II, III, V

*Roman numerals after course objectives reference goals of the Business and Computer Technologies department.

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. Personal Development Outcome, Cultural Diversity & Social Adaptation Outcome, Transitional Strategy

2. 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, Personal Development Outcome, Problem Solving & Decision Making Outcome, Technological Literacy Outcome, Information Literacy Outcome, Transitional Strategy, Active Learning Strategy

3. Communicate by email at least weekly with the instructor and teammates. Communication Outcome, Technological Literacy Outcome

*Strategies and outcomes listed after instructional processes reference Pellissippi State’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 I.S. A,B,C

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

4. Design a basic I.S. 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 I.S. to management. A,B

9. Describe the impact the Internet and World Wide Web have on a business information systems. A,B,C

10. Discuss the impact telecommunications has had on business information systems. A,B,C

11. Describe how I.S. 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 I.S. 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 I.S. on society. A,C

20. Explain I.S. security considerations. A,B,C

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

V. Evaluation:

A. Testing Procedures:

    N/A

B. Laboratory Expectations:

    N/A

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:

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.