Class Hours: 3.0  Credit Hours: 3.0
Laboratory Hours: 0.0  Revised: Spring 07

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 Case Book:** Miller, L., MIS Cases 2nd Ed., Pearson Prentice Hall, 2005
- Supplies: Blank CD’s, zip disk or flash (recommended) for storing case study and project files

I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>Introduction to MGT 2100; explore relevance of information systems to organizations</td>
</tr>
<tr>
<td>3</td>
<td>Use of information systems to gain a competitive advantage</td>
</tr>
<tr>
<td>4</td>
<td>Management of data, information, &amp; knowledge; assemble team simulation project groups</td>
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<tr>
<td>5</td>
<td>The Internet; information systems security issues</td>
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<tr>
<td>6</td>
<td>E-commerce, Intranets, Extranets</td>
</tr>
<tr>
<td>7</td>
<td>Types and architecture of organizational information systems</td>
</tr>
<tr>
<td>8</td>
<td>Fall break; enterprise information systems security issues</td>
</tr>
</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 I.S. 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 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:
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:

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>92 - 100</td>
<td>A</td>
</tr>
<tr>
<td>89 - 91</td>
<td>B+</td>
</tr>
<tr>
<td>82 - 88</td>
<td>B</td>
</tr>
<tr>
<td>79 - 81</td>
<td>C+</td>
</tr>
<tr>
<td>72 - 78</td>
<td>C</td>
</tr>
<tr>
<td>65 - 71</td>
<td>D</td>
</tr>
<tr>
<td>Below 65</td>
<td>F</td>
</tr>
</tbody>
</table>

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.]

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.

C. Accommodations for disabilities:

If you need accommodations because of a disability, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please inform the instructor immediately. Please see the instructor privately after class or in his/her 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 127 or 131 or by phone: 694-6751 (Voice/TTY) or 539-7153.

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.