Fundamentals of Information Systems & Technology
Brigham Young University – Hawaii
Fall 2011 (Sep 14 – Dec 16)

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GCB 105

(1) Overview

Guess what? This class provides an understanding that, regardless of your degree program, may likely prove one of the most important classes you ever take. Strong words, I know. By the semester's conclusion, you may well agree.

Simply put, this class is what you should know – and be able to do! – to have an edge over the competition. So buckle up, we're going on a fantastic voyage!

(2) Course Information

CREDITS: Three (3)
CLASS SCHEDULE: MWF 12:10 – 13:10 (GCB 111)
FINAL EXAM: Fri, Dec 16, 13:00 – 14:50
CATALOG DESCRIPTION: Systems theory, quality, decision making and organizational role of information systems. Technology including computing and telecommunications. Concepts of organization and information system growth and re-engineering.

REQUIRED TEXT:

(3) Learning Outcomes¹

As members of BYU-Hawaii, we affirm that with appropriate preparation, engagement of our faculties, and openness to improvement, we will maximize our education, which learning occurs best when we are:

1) Motivated by faith, guided by the Holy Spirit, and centered on serving God;
2) Active in the learning process;
3) Self-directed and take responsibility for our learning;
4) Engaged in meaningful reflection and self-assessment;
5) Open to changing how we think, feel, and act; and,
6) Constantly improving our capacity to study and learn effectively.

¹ See Section 7 for ABET & WASC required learning outcomes.
Accordingly, assignments and discussions will include specific consideration for our collective preparation, engagement, and continual improvement. Throughout the term we will focus primarily on three learning outcomes:

a) Understand the critical nature of information systems and how they support businesses and management, with specific emphasis on the five-component-framework; and,

b) Develop database and web design skills sufficient to effectively communicate and perform entry-level work in those disciplines, to maximize opportunities for e-commerce and other practical usage of the Internet; and,

c) Develop critical thinking and analytical skills sufficient to leverage information systems to satisfy business needs.

(4) Calendar

You are expected to read the assigned chapter(s) before the date indicated. Expect a chapter quiz each day the corresponding guides are due. Exams 1-3 will be available in the testing center in the 4th, 8th, and 12th weeks.

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<tr>
<th>2</th>
<th>Wk. 1 Sep 14</th>
<th>Wk. 2 Sep 19</th>
<th>Wk. 3 Sep 26</th>
<th>Wk. 4 Oct 3</th>
<th>Wk. 5 Oct 10</th>
<th>Wk. 6 Oct 17</th>
<th>Wk. 7 Oct 24</th>
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<tbody>
<tr>
<td>MON</td>
<td>No class</td>
<td>Ch. 1 Guides</td>
<td>Lab</td>
<td>Lab</td>
<td>Draft 1, Lab</td>
<td>In-class Project 1</td>
<td>Ch. 7</td>
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<tr>
<td>WED</td>
<td>Intro</td>
<td>Ch. 2</td>
<td>Ch. 5</td>
<td>Ch. 3</td>
<td>Ch. 4</td>
<td>Ch. 6</td>
<td>Ch. 7 Guides</td>
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<tr>
<td>FRI</td>
<td>Ch. 1</td>
<td>Ch. 2 Guides</td>
<td>Ch. 5 Guides</td>
<td>Ch. 3 Guides</td>
<td>Ch. 4 Guides</td>
<td>Ch. 6 Guides</td>
<td>Ch. 8, Project 1</td>
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<th>2</th>
<th>Wk. 8 Oct 31</th>
<th>Wk. 9 Nov 7</th>
<th>Wk. 10 Nov 14</th>
<th>Wk. 11 Nov 21</th>
<th>Wk. 12 Nov 28</th>
<th>Wk. 13 Dec 5</th>
<th>Wk. 14 Dec 12</th>
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<tbody>
<tr>
<td>MON</td>
<td>Ch. 8 Guides</td>
<td>Draft 2, Lab</td>
<td>Lab</td>
<td>Ch. 11</td>
<td>Gospel Sharing</td>
<td>Ch. 12</td>
<td>Project 2 (cont)</td>
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<td>WED</td>
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<td>Ch. 10 Guides</td>
<td>Ch. 11 Guides</td>
<td>Ch. 12 Guides</td>
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<td>Review, Paper</td>
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<td>Ch. 10 Guides</td>
<td>No class</td>
<td>In-class Project 2</td>
<td>Project 2</td>
<td>Final Exam</td>
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2 The specific schedule may vary based off classroom discussions and student interests.
(5) Grading

In conformity to our learning outcomes, Brother Smith agrees to come prepared to facilitate learning. However, you are primarily responsible for what learning occurs. Poor preparation to learn will reduce learning and classroom participation.

There are 1,200 points possible. The two lowest quizzes and chapter guides will be dropped. Graded items include:

- Quizzes (10 @ 15 points, 150 total)
- Chapter Guides (10 @ 10 points, 100 total)
- Group Projects (2 @ 100 points, 200 total)
- Exams (3 @ 100 points, 1 @ 200 points, 500 total)
- Paper (2 Drafts @ 25 points, 1 Paper @ 100 points, 150 total)
- Participation (100 points total)

Assessment is individual (i.e. no “curve”) and follows the traditional scale below. No late work will be accepted; no alternate exam dates or times will be permitted. For possible score improvement, see Section (3). Govern yourself accordingly.

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<th>C+</th>
<th>C</th>
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(5.1) Alternate Syllabus

Yes, you read that correctly. Subject to Brother Smith’s approval, you may devise an alternate syllabus. Proposals must satisfy the same learning outcomes as listed in Section (3). Brother Smith reserves the right to approve proposed syllabi. Syllabi must be approved by Sep. 27th, 17:00. Contact Brother Smith for specifics.

In the absence of an approved, signed, and filed alternate syllabus with Brother Smith, you are subject to the terms and grading as outlined in this syllabus.

(6) University Policies

Violations of University policies or Honor Code will be handled individually per appropriate policy guidelines. You are encouraged to familiarize yourself with the policies and Honor Code requirements.

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3 A grade of “C-” or better is required for the IS and IT degrees.
(6.1) Academic Honesty

Plagiarism, fabrication or falsification, cheating, and other academic misconduct:

http://services.byuh.edu/honorcode/Academic_Honesty_Policy;

(6.2) Dress and Grooming

Men. A clean and neat appearance should be maintained. Shorts must cover the
knee. Hair should be clean and neat, avoiding extreme styles or colors, and trimmed
above the collar leaving the ear uncovered. Sideburns should not extend below the
ear-lobe. If worn, moustaches should be neatly trimmed and may not extend
beyond or below the corners of mouth. Men are expected to be clean-shaven and
beards are not acceptable. Earrings and other body piercing are not acceptable. For
safety, footwear must be worn in all public places.

Women. A modest, clean and neat appearance should be maintained. Clothing is
inappropriate when it is sleeveless, strapless, backless, or revealing, has slits above
the knee, or is form fitting. Dresses, skirts, and shorts must cover the knee.
Hairstyles should be clean and neat, avoiding extremes in styles and color. Excessive
ear piercing and all other body piercing are not appropriate. For safety, footwear
must be worn in all public places.

http://services.byuh.edu/honorcode/Dress_and_Grooming

(6.3) Special Needs

Brigham Young University Hawaii is committed to compliance with the
Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of
1973. The university makes every effort to accommodate individuals with
disabilities within the scope of existing laws.

http://counseling.byuh.edu/special_needs

(6.4) Sexual Harassment

Unlawful Sexual Harassment is contrary to the teachings of The Church of Jesus
Christ of Latter-day Saints, the university's Honor Code and applicable civil rights
laws and regulations. BYUH’s Honor Code requires that university personnel and
students abide by Title VII of the Civil Rights Act of 1964 and Title IX of the
Educational Amendments of 1972 which prohibit sexual harassment.

http://services.byuh.edu/honorcode/CES/Live_a_Chaste_and_Virtuous_Life
(7) ABET & WASC Learning Outcomes

Upon successful completion of IT 224, Computer Hardware & Systems Software, you will be able to:

• Apply knowledge of computing and mathematics appropriate to the discipline;
• Analyze problems, and identify and define the computing requirements appropriate to its solution;
• Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs;
• Function effectively on teams to accomplish a common goal;
• Understand professional, ethical, legal, security and social issues and responsibilities;
• Communicate effectively with a range of audiences;
• Analyze the local and global impact of computing on individuals, organizations, and society;
• Recognize the need for, and an ability to, engage in continuing professional development;
• Use current techniques, skills, and tools necessary for computing practice;
• Understand processes that support the delivery and management of information systems within a specific application environment; and,
• Use and apply current technical concepts and practices in the core information technologies.