Syllabus

Course Number: MSCI 681
Course Title: Enterprise Project Systems

Course Description:
Introduces skills required to define, configure, plan and track different types of projects. Topics include overview of project management and fundamentals; SAP project system; project structures, planning and execution; logistics, accounting and human resources interfaces; budgeting; period end closing and reporting. Microsoft Project will be used to illustrate and execute Enterprise Project Management.

Prerequisite Courses: None

Course Overview:
The selection, implementation, and management of an enterprise system is a rewarding and challenging endeavor. While there are a wide variety of systems within the general classification of enterprise systems, the focus of this class will be on the selection, implementation, and operation of an enterprise resource planning (ERP) system. The principles of project management are equally applicable to other types of systems, but this course of study will concentrate on ERP systems and more specifically SAP.

Course Outcomes:
In addition to course objectives, SCIS graduate programs are designed to implement Regis University outcomes as an integral part of the curriculum, thus providing each student with a more comprehensive educational experience. With this goal in mind, upon the completion of this course students are expected to achieve the following outcomes:

- Understand the process used in selecting and implementing an Enterprise System as modeled by an Enterprise Resource Planning (ERP) system.
- Analyze the critical success factors (CSFs) for an ERP implementation.
- Understand the various ERP systems offerings and the major differences between the leading vendors.
- Understand the impact an Enterprise Systems has on business processes.
- Differentiate between ERP configuration and customization and the risks and rewards of each.
- Construct a moderately complex project Work Breakdown Structure (WBS) that models the selection and implementation of an ERP System.
• Employ SAP Solution Manager and Project System modules to monitor and manage the progress of a project.
• Assess the current trends in Enterprise Systems.

Course Materials:

Required Texts:


Install a copy of Microsoft Project. Your instructor will provide you with instructions for obtaining a copy.

Optional Materials:

Note: All of these articles are available via the Regis Electronic Library. Most are found through the EBSCO database, a few through Science Direct and only one through the ACM database. Please use the search engine to find these articles, download them, and read them prior to the week on which they are listed.

The library set up an e-reserves list for MSCI 681. It is located under the electronic reserves section of the library and can be found under <permanent> for faculty name or search for 681. The password for the reserve list is <system>.

Reserves can be found: http://www.regis.edu/library.asp?page=services.reserves


*Poon, P., Yu, Y., (May 20, 2006) Procurement of enterprise resource planning systems: experiences with some Hong Kong companies. ICSE’06, ACM 1-59593-085-X/06/0005


**Resources for the Critical Success Factors Synopsis Paper:**


**Resources for the Case Analysis Paper:**

**Private Sector**


**Public Sector**


**Pre-Assignment:**

**Online Format:** Sign on to WorldClass (D2L) Home Page and become familiar with the course navigation of the Web Curriculum.

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

Read

1. Chapters 1, 2 and 5 in Bradford (2010).

**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:

This course will use case studies, computer exercises with SAP and Microsoft Project, facilitated discussions, lectures, and presentations.

<table>
<thead>
<tr>
<th>Week</th>
<th>Learning Topics</th>
<th>Readings Assignments</th>
<th>Assignments</th>
</tr>
</thead>
</table>
| 1    | The Business Case, Project Charter and Requirements  | Bradford, Chapters 1, 2 & 5   
Davenport (1998) - *Putting the Enterprise into the Enterprise System*  
(Project is due Week 7)  
Project Task 1: Project Management and Selection Process  
(Due Week 7) |
| 2    | Fit Analysis, Software Selection, and Purchase Negotiations | Bradford, Chapters 3 & 4   
Verville (2003). *A six-stage Model of the Buying Process for ERP software*  
Add to the Annotated Bibliography  
Complete the ERP Software Selection Criteria Matrix  
Project Task 2: Hardware Sizing and Architectural Considerations  
(Due Week 7) |
| 3    | Installation & the “Conference Room Pilot”           | Bradford, Chapter 6   
See Bibliography for Critical Success Factors Paper section above. | Week 3 Discussion Forum Activity Questions  
Read and Review the SAP Solution Manager document  
Complete the Critical Success Factors for ERP Systems – Synthesis Paper  
Project Task 3: Functional Areas – Accounting, Human Resources, Manufacturing and Services (Due Week 7) |
<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
<th>Discussion Forum Activity Questions</th>
<th>Project Task(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Current and Future Trends in Enterprise Systems</td>
<td>No readings required for Week 8</td>
<td>Week 8</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>
Course Policies and Procedures:

Student Evaluation Grid

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Value (percent of overall course grade)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection Criteria</td>
<td>10%</td>
</tr>
<tr>
<td>Critical Success Factors Paper</td>
<td>20%</td>
</tr>
<tr>
<td>Comparative Case Analysis Paper</td>
<td>20%</td>
</tr>
<tr>
<td>Project Plan in MS Project</td>
<td>20%</td>
</tr>
<tr>
<td>Class Participation and Discussion</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100 %</td>
</tr>
</tbody>
</table>

Participation

Because of the accelerated nature of the course, class participation is very important. Class participation/effect is important because we can all learn from each other. Your participation points can make a difference in the final grade. If the student doesn't participate during any given week, they will lose the participation points of that week.

Participation means:

1. a. Present in class every session (classroom)
   b. Present in the forum every week (online)

2. a. Effectively responds to questions from the facilitator (classroom)
   b. Regularly checks forum and post all required assignments/discussion questions/items by the deadlines (online)

3. Contributes to classroom/forum discussions, etc.

CC&IS Grading Scale

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 to 100</td>
<td>4.00</td>
</tr>
<tr>
<td>A–</td>
<td>90 to less than 93</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>87 to less than 90</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>83 to less than 87</td>
<td>3.00</td>
</tr>
<tr>
<td>B–</td>
<td>80 to less than 83</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>77 to less than 80</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>73 to less than 77</td>
<td>2.00</td>
</tr>
<tr>
<td>C–</td>
<td>70 to less than 73</td>
<td>1.67</td>
</tr>
</tbody>
</table>
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](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](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](http://www.ed.gov).
- The HIPAA policies for protected health information. The complete Regis University HIPAA Privacy & Security policy can be found here: [http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx](http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.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](https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx).