ISTM 4120: Business Systems Development
Department of Information Systems and Technology Management
Fall 2016
Syllabus

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<tr>
<th>Schedule:</th>
<th>Location:</th>
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<tr>
<td>Tuesday – 4:00 to 6:30 PM</td>
<td>Duques Hall 351</td>
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<td>Aug 30th to Dec 20th 2016</td>
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<tr>
<th>Instructor:</th>
<th>Graduate Teaching Assistant</th>
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<tbody>
<tr>
<td>Vijay Padmanabhan</td>
<td>Anvita Jaipuriar</td>
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<td>(571)-553-4157</td>
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<th>Office:</th>
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<td>Funger Hall 515 J</td>
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Office Hours: Tuesdays 6:30 to 7:30 PM or by appointment

Course Description
Information systems are at the core of all businesses and add value in a variety of ways. The objective of this course is to provide students with knowledge of techniques, methodologies, and tools used in the development of software and information systems. With information system tied to all major business processes, a streamlined systems development process is critical in making any systems implementation successful. This course serves to provide an introduction to the systems development process using both structured and agile methodologies and computer-aided software engineering (CASE) tools.

Learning Objectives
Upon successfully completing this course, students will be able to:

1. Define and align system development methodologies with real world systems implementations, understanding which methodologies are applicable to various system types and environments.
2. Learn and apply the structured systems approach concepts to requirements gathering, analysis, design, and transition activities.
3. Understand and personally demonstrate the role of the systems analyst.
4. Understand current issues and future trends of system development and supporting technologies.
Guide for Success
1. Come to class prepared by reading and thinking about chapter topics. Bring real world examples from your coursework, internships, and jobs.
2. Come to class prepared to learn, participate, and engage in an active learning environment.
3. Complete assignments in a thorough manner ensuring consistent thoughts, proper English (spelling and grammar), and professional formatting. Utilize the University Writing Center if necessary.
4. Ask for help early on by e-mailing the instructor, TA, and/or scheduling time during office hours. Don’t fall behind!
5. Complete project work ahead of time and in phases. Do not leave submissions to the last minute and ensure completeness.
6. Establish rapport with your project team and tackle any personality or work quality issues early on.
7. Please make the instructor aware of any learning disabilities by the second lecture.
8. For those needing help with English, utilize the University Language Center and make the instructor aware of any issues by the second lecture.

Preparation for Class
You are expected to come to each class prepared by reading the assigned chapters for the session before class. Discussions and in-class quizzes may be used to assess preparedness, attendance, and comprehension.

Course Materials
Textbook:
SYSTEMS ANALYSIS AND DESIGN, 9TH EDITION KENNETH E. KENDALL, JULIE E. KENDALL

Supplemental Materials:
Lecture slides and handouts distributed by the instructor. These will be made available exclusively on Blackboard.

Required Software
Microsoft Visio - Visio is available only on a few labs on campus. Copies of all software will be available to students for download—for educational use only—from MSDNAA.

Or

Lucid Chart – The web based diagramming tool is free for users from education institutions. Please visit https://www.lucidchart.com/pages/education/students for more details
Course Home Page
Class-related materials will be posted on Blackboard. Please check the page frequently (at least twice a week) for updates. You will find the following materials: syllabus, lecture schedule, lecture notes, assignments, group project, frequently asked questions, and course resources. Please print out the necessary materials for yourself.

Grading
Classroom quiz ------------------------------- 15%
Final Exam------------------------------ 15%
In-class assignments and attendance---- 20%  (Not attending class will significantly impact your grade)
Assignments------------------------- 25%
Project--------------------------- 25%
Total ---------------------------------- 100%

Attendance
Class activities are intended to give an overview of the material, provide examples and conduct discussions to help you think critically about business and system analysis issues. You are encouraged to ask questions during the class. Lectures may contain materials that are not in the textbook, but you will still be responsible for them on tests. You are responsible for all lecture material regardless of whether you attend each class, and you must get your own notes from your classmates if you miss a class. Office hours cannot be used as a substitute for class attendance.

Attendance will be taken throughout the semester. Students who have missed three or more classes will receive zero for the attendance grade. If attendance is taken when you are not in the classroom (i.e. late for class, or leave early), your attendance for that class will not be counted as present. Missing class for participation in extracurricular activities is not a valid excuse.

Exams
There will be three classroom quizzes and one final exam. You must take exams in the scheduled time slots. No early or make-up exams will be permitted. If you miss an exam for any reason except serious illness/injury, you will receive a zero grade for the exam.
In-Class and Take-Home Assignments
Several in-class and take-home assignments will be given throughout the semester. They are INDIVIDUAL assignments and must be completed INDEPENDENTLY to receive full credit, unless otherwise specified. Discussions among students about the assignments are allowed. However, copied work is unacceptable and will be turned into the GW Office of Academic Integrity. If you have any doubt, ask the instructor. All assignments, unless otherwise stated, should be submitted electronically on Blackboard.

In-class assignments and activities cannot be made up – they are activities designed for in-class interaction with other students and the professor. If you miss an in-class assignment due to illness, please provide a signed doctor’s note within one week of the absence.

Assignment grades can only be appealed within one week from the day the assignment is returned. No appeals will be accepted after that period.

Failure to properly submit an assignment through Blackboard is the student’s responsibility. Specifically, failure to click “SUBMIT” and simply saving an assignment is perceived by the professor as never having submitted the assignment. Any assignments not submitted by the deadline will not be accepted.

Semester Project
The course includes a group semester-long project focused on applying system development techniques to a real world system. Details, including group assignments, will be shared during the fifth lecture.

Integrity
We assume that you have complete integrity in all your class efforts. Violations of the University's Honor Code will be taken extremely seriously, and they will be addressed promptly according to the established procedures. Students are to adhere to the Code of Student Conduct, and other policies and regulations as adopted and promulgated by appropriate University authorities. Students violating the Code of Student Conduct will be dismissed from class and will receive an “F” for the course.

Disability Policy
Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Office of Disability Support Services. Please let us know within the first week of classes: Documentation may be necessary.

Religious Holiday Policy
The university policy regarding religious holidays is that it is the student’s responsibility to notify faculty during the first week of the semester of their intention to be absent from class on their days(s) of religious observance.