COURSE NUMBER: ISTM 6201 – 10

COURSE TITLE: Information Systems Development and Applications

COURSE DESCRIPTION: Each stage of the information systems life cycle is discussed in terms of technologies, impact, and management. Topics include structured and object-oriented analysis, prototyping, software reuse, testing, life-cycle costs, software development environments, and organizational & behavioral aspects of development projects.

PREREQUISITES: Graduate Standing

CONTACT HOURS: Tuesday 4:10 – 7:00 PM
Duques 255

PROFESSOR: Nina McGarry, Ph.D., CEA, PMP, ITILv3
Department of Information Technology
Office:
Office Hours: by appointment
Phone:
E-mail: nmcgarry@gwmial.gwu.edu

*For emails please put ISTM 6201-10 in the subject line first

LEARNING OBJECTIVES: In this course,

1. students will learn methodologies, techniques, and tools used in object-oriented systems analysis & design.

2. students will learn agile and other emerging development methodologies for information systems.

3. students will learn to analyze and design systems using UML.

4. students will understand the organizational issues related to information systems implementation.

1 Please note email address. This is not the email addressed used by Blackboard. I rarely open the email address used by Blackboard.
READINGS & MATERIALS:  

GRADING:  
The course grade is an accumulation of points from assignments, deliverables, presentations, and two exams. The relative importance of the different components is given below.

<table>
<thead>
<tr>
<th>Task</th>
<th>Point Value</th>
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<tbody>
<tr>
<td>Homework+</td>
<td>100 / each</td>
</tr>
<tr>
<td>Project: 3 Deliverables</td>
<td></td>
</tr>
<tr>
<td>Deliverable 1:</td>
<td></td>
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<tr>
<td>Presentation*</td>
<td>100</td>
</tr>
<tr>
<td>Deliverable</td>
<td>550</td>
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<tr>
<td>Deliverable 2:</td>
<td></td>
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<tr>
<td>Presentation*</td>
<td>100</td>
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<tr>
<td>Deliverable</td>
<td>650</td>
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<tr>
<td>Deliverable 3:</td>
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<tr>
<td>Presentation*</td>
<td>100</td>
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<tr>
<td>Deliverable</td>
<td>750</td>
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<tr>
<td>Team Evaluation</td>
<td>100</td>
</tr>
<tr>
<td>Midterm</td>
<td>650</td>
</tr>
<tr>
<td>Final</td>
<td>650</td>
</tr>
<tr>
<td>Estimate</td>
<td>3800 – 4000 pts</td>
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+ Homework may be 3 – 5 assignments 
*Presentation is an individual grade not a team grade

ASSIGNMENTS:  
There may be 3 to 5 assignments. Each assignment is valued at 100 points. Assignments will be posted to Blackboard and delivered to Blackboard. I will not grade late assignments. Blackboard will accept the assignment but it will be marked as late.

Assignments will be based on material covered in lectures and the text, articles, and cases. Assignments may include article critiques, case analysis, and problem-solving using techniques learned in class. All assignments, unless otherwise stated, should be submitted electronically in MS Word on Blackboard. Diagrams drawn using CASE software, such as Visio, should be copied into a MS Word file before submission.

If you are away and cannot attend class, you are still required to submit your assignment on time. Electronic submissions should be checked for viruses. A few assignments may be in-class assignments. Blackboard submissions will not be required for these assignments.

Assignments will be returned one week after they are submitted, and grades will be posted on Blackboard. Questions regarding grading and grades posted should be addressed to me within one week after the graded papers are returned.
Exams
There will be two exams in this course: a midterm and a final. Exams will cover material from lectures, text, and handouts distributed in class. The exams will include multiple choice and/or short answer questions, and problems & exercises. The final will not be cumulative. There will be no make-up exam, except for documented medical reasons.

Project
The course will have a group project. The objective of the project is to analyze an existing system, or design a new system, based on the tools and techniques learned in the course. Groups will choose a problem or case to be analyzed. Group size is limited to a maximum of four (4) students.

There will be three project deliverables. Each of the deliverables has unique requirements. These requirements will be posted to Blackboard. A list of the first deliverable for the project, and its due date, will be distributed in the fourth week of the semester.

Each of the deliverables will have two grade components – a presentation grade and a deliverable grade. The presentation grade is individual (i.e., each team member is graded separately). Components of the presentation include: speaking clearly, knowing the project, arriving in class on time, staying (not leaving) the class during any of the class presentations, the ability to answer questions, and adhering to the time limitation. All team members must be present, and present, on deliverable days.

A rubric for the paper deliverable will be published in Blackboard. Only one student per team, will post the deliverable to Blackboard. The file name convention to use for posting the deliverable is Team#_<name of project>._Deliverable#. This naming convention is to be used for all deliverables.

At the end of the semester, and after the final deliverable, you will have to complete a confidential peer-evaluation form, in which you will evaluate the contribution of each of your team members. This peer evaluation is required, and if you fail to evaluate your team members, you will lose your own evaluation grade. If your team members provide a poor evaluation (less than 70 percent) of your contribution to the project, all components of your project grade will be affected, and your overall course grade may be reduced by one letter grade. The peer evaluation will be accessible from Blackboard on the day of the last presentation and will remain accessible for 24 hours. No late evaluations will be accepted. Since the peer evaluation grade is confidential I will be unable to provide a complete breakdown of your project grade.

Gradebook
The factual gradebook is my gradebook, not Blackboard. Blackboard will report those tasks factored through Blackboard. Since the deliverables, presentations, and peer evaluations are not factored through Blackboard, these grades are not calculated, except in my gradebook.
Note
All examinations, papers, and other graded work products and assignments are to be completed in conformance with the George Washington University Code of Academic Integrity.

ACADEMIC INTEGRITY: The code of academic integrity applies to all courses in the George Washington School of Business. Please become familiar with the code. All students are expected to maintain the highest level of academic integrity throughout the course of the semester. Please note that acts of academic dishonesty during the course will be prosecuted and harsh penalties may be sought for such acts. Students are responsible for knowing what acts constitute academic dishonesty. The code may be found at: http://www.gwu.edu/~ntegrity/code.html

UNIVERSITY POLICIES: Religious Accommodation
Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities.

Disability Support Services (DSS)
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: gwireshed.gwu.edu/dss/

Mental Health Services 202-994-5300
The University's Mental Health Services offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. counselingcenter.gwu.edu
NOTE: In accordance with university policy, the final exam will be given during the final exam period and not the last week of the semester