Spring 2009

CS 43901 Section 600
Software Engineering

Department of Computer Science
Kent State University Stark

F 11:00 AM – 1:30 PM Room MH 303

Professor: Dr. Angela Guercio
Office: 424, Main Hall
Phone: 330 244-3424 (KSU ext. 53424)

Office Hours: TR 11:30am - 1:30pm 4:35pm -5:15pm  F 10:15am - 10:55am
other times are available by appointment
Best way to contact me: e-mail to aguercio@kent.edu

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### Course Information

<table>
<thead>
<tr>
<th>Class Webpage:</th>
<th><a href="http://www.personal.kent.edu/~aguercio/Spring09/CS43901Sp09.html">http://www.personal.kent.edu/~aguercio/Spring09/CS43901Sp09.html</a></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>all important class information will be posted on the class webpage, readings, assignments, notes, deadlines, cancellations, etc..&lt;br&gt;You must CHECK THE CLASS WEBSITE REGULARLY!!!</td>
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<tr>
<td>Prerequisites:</td>
<td>CS 33001 with a grade of C or better. This means that a C- in CS10051 is not sufficient to meet the prerequisite. For more details on course dependences, visit <a href="http://www.cs.kent.edu/programs/ugrad/planner.html">http://www.cs.kent.edu/programs/ugrad/planner.html</a></td>
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<tr>
<td>Credit:</td>
<td>3 Credit Hours</td>
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### Required Text:


The e-book is available on Safari that you can access via the Kent Library/Ohio Link
Emergency: In case of an emergency please contact the security on campus.

Security phone on campus: #53123
Security cell phone (330) 705-0430 or, of course, 911.
I recommend that you program into your cell phone the previous numbers.

Course Description and Objectives

To this course in an introduction to software engineering concepts: life cycle models; modeling languages; requirements analysis; specification; design; testing; validation; project management; and maintenance. The objectives of the course are to develop the ability to master the notation and the process of the object-oriented analysis and design and to experiment the concepts through some realistic applications.

Class Requirements and Expectations

• Regular class attendance is REQUIRED.

  There tends to be a strong correlation between class attendance and grade performance. If you will miss a class, let me know ahead of time. In any case, you are responsible for bringing yourself up to date on class material and assignments.

  Since class participation and regular attendance are part of the final grade, if you miss more than 3 classes without a documented reason or without making prior arrangements with me, your final grade will be dropped one grade (A to B, B+ to C+ and so on).

• Reading ahead is REQUIRED.

  The readings are posted online on the class webpage. You must read the material before class and again after the class.

  Regular study of the material is REQUIRED.

• COMPLETE the assigned homework (i.e. Assignments and exercises).

  There will be 4 assignments in the course. I will retain the right to change the number of assignments if necessary.
The class webpage will list the assignments for each week at the beginning of that week so that you can better schedule your work.

- REVIEW the graded Homework/Assignments.

Homework will be short exercises completed in class or due at the next class period. Review the mistakes after discussion and learn from them.

Assignments are larger exercises and will be assigned periodically through the semester. Review the mistakes after grading and discussion and learn from them.

Late Homework/Assignments will not be accepted if returned after the solution is given or discussed.

If you have difficulties doing your homework or your project please contact me or come to see me. Do not procrastinate! Homework and Assignments should be started immediately.

- Return work ON TIME

All the homework must be printed and e-mailed as an attachment to aguercio@kent.edu. In any case a printed copy MUST be returned to the instructor as well unless stated otherwise.

All homework, printed or handwritten are due before or at the beginning of class. Late homework will get 3 points per day penalty including those returned after the beginning of class.

For all e-mailed homework, the instructor will acknowledge the receipt within 24 hours via e-mail. The time of your e-mail will be compared against the deadline of your homework. The reply is your receipt that the work has been turned in (not that the homework is correct!). If you do not receive a receipt, it is YOUR responsibility to contact me to see if the assignment has been lost in transmission. Important: once you submit your files DO NOT OPEN THEM AGAIN! If your e-mail didn’t reach me or something happened to your files, I may need to ask you to resubmit your files by logging on in my presence to check the modification dates on your files and make sure that they haven’t been modified after the due date.

What to expect to find in your Computer Architecture class

- The class should be interactive. In-class exercises are designed to encourage participation. There will be cooperation between you and I, open discussions about problems and possible solutions. You are responsible for taking good notes. Handouts will be given only when necessary.
You will present proofs to other students, your will participate in group activities and collaborative learning will be used to discuss possible solutions to problems as well as to provide critical observation to problem solutions. Formal and informal groups will be formed in class to work together. In some cases, you will be required to work on your own. In those cases, I expect an appropriate academic behavior from you. Exchange of information, when forbidden, will not be tolerated.

Expect to commit some times to practice problems. You will find that the reading will go very slow and that you need to reread the material several times before you master it.

The Secret Key (not so secret after all!) of how to succeed in a CS class is to:

1. work conscientiously and do all the homework that has been assigned;
2. extrapolate from the examples provided to you, techniques and answers to problems;
3. spend several hours practicing;
4. be alert and participate in class discussions;
5. learn from other people mistakes;
6. Think! Use your logic and be critical of your own work.
7. attend the class and read the material ahead of time;
8. spend time studying the theoretical concepts. Memory helps, but it is practice that reinforces the understanding of the theory;
9. do all the above consistently through the whole semester, be confident about what you are doing and don’t be afraid to ask for help;
10. Think, think, think and enjoy!

I am very confident that you can make the above commitment and that you can maintain it during the semester. I am sure that you have all the ability to be successful!

Exams

There will be 2 Mid-Term Exams which will cover the topics of the previous weeks.

The 100-points Final Exam is comprehensive.

All exams are closed books, closed notes.

Retake exams are not available.

Make-up exams will only be given in case of serious need (written verification for your inability to take an exam is required) and only when I have been notified prior to the exam being issued, otherwise you are considered absent for that exam and the grade of your exam is automatically 0.

Grading
Your grade will be based on

1. Your homework
2. Your participation in discussions concerning the homework, class topics, and reading material
3. Your class attendance
4. Your assignments
5. Your exams

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
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<tbody>
<tr>
<td>92.5-100</td>
<td>A</td>
</tr>
<tr>
<td>89.5-92.4</td>
<td>A-</td>
</tr>
<tr>
<td>87-89.5</td>
<td>B+</td>
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<tr>
<td>82.5-86.9</td>
<td>B</td>
</tr>
<tr>
<td>79.8-82.4</td>
<td>B-</td>
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<tr>
<td>77-79.8</td>
<td>C+</td>
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<tr>
<td>72-76.9</td>
<td>C</td>
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<tr>
<td>70-72</td>
<td>C-</td>
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<td>60-69.9</td>
<td>D</td>
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<tr>
<td>00-59.9</td>
<td>F</td>
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Even though I have never found it necessary to change the grading distribution and the number of assignments and exams specified in the syllabus during the semester, I reserve the right to change the method of assigning grades, including changing the number of assignments or exams if I consider it necessary.

Course Withdrawal
If you are considering withdrawing from this course, please inform your instructor and consult a staff member in the Student Services Office, 134 Main Hall. Withdrawal from a course can affect financial aid, student status, or progress within your major. For withdrawal deadlines, please refer to http://www.registrar.kent.edu/home/TermUpdate/sche_adj.htm.

Academic Honesty Policy
When assignments must be individually and independently done, if some students turn in substantially the same solution or program of another student, in my judgment, the solution will be considered a group effort. All involved in the group effort homework will receive a zero grade for that assignment. Policy on academic dishonesty involving programming can be found at http://www.cs.kent.edu/programs/grad/DishonestyPolicy.pdf. A condensed version of the
Administrative Policy And Procedures Regarding Student Cheating And Plagiarism has been added to the last page of this syllabus.
Use of the intellectual property of others without attributing it to them is considered a serious academic offense. Cheating or plagiarism will result in a failing grade for the work or for the entire course. Repeat offenses result in dismissal from the University. University guidelines require that all infractions be reported to the Student Conduct Officer on our campus (see Academic Sanctions below).

Students with Disabilities
Kent State University recognizes its responsibility for creating an institution atmosphere in which students with disabilities can succeed. In accordance with University Policy Subpart E…104.44, if you have a documented disability, you may request accommodations to obtain equal access in this class. Please contact the disability coordinator on campus, Kelly Kulick in Student Accessibility Services, located in the Student Success Center, lower level of the Campus Center, phone (330) 244-5047, or kkulick@kent.edu. After your eligibility for accommodations is determined, you will be given a letter which, when presented to instructors, will help us know best how to assist you.

Classes Canceled – Campus Closings
Announcements of class cancellations and/or campus closings will be made on the campus home page. In the case of an emergency, weather-related or otherwise, please check the web page at http://www.stark.kent.edu for information on the buildings and times of the closing. While information may be broadcast by radio and television, this should be confirmed by the web page, which is the official announcement of the campus and which will be the information used to determine issues related to student attendance, rescheduling of tests, and other concerns.

Conduct
Students and faculty behavior at the Stark Campus is governed by the guidelines set forth in The Digest of Rules and Regulations. That document can be found in the University telephone directory. Information can be found at the Office of Judicial Affairs at http://www.kent.edu/administration/emsa/judicial.cfm.

Recycling
KSU Stark Campus recycles. Recycling saves energy, which is currently generated by expensive and vanishing fossil fuels. Recycling one aluminum can saves enough energy to run a TV for three hours! Please take a few seconds to separate your trash. Aluminum cans and plastic and glass bottles may be placed in the blue recycling bins, and all types of paper may be placed in the blue recycling trash cans. All other waste may be placed in the black, brown or gray trash cans.

Important Dates to Remember:
- Last day to withdraw before grade W is assigned, is Feb 1, 2009
- Last day to drop the class is April 5, 2009
- Exam 1 is Friday, Feb 27
- Exam 2 is Friday, April 10
- Final Exam (comprehensive) is Friday, May 15 (10:30am – 12:30pm)

Spring Recess: March 23 – March 29
Classes End: May 10, 2009
Tentative Outline of the Course

We will cover one chapter per week from the book. Other material and reading sources will be done in class at the appropriate time.

ADMINISTRATIVE POLICY AND PROCEDURES REGARDING STUDENT CHEATING AND PLAGIARISM

Condensed Version

For complete policy and procedure go to www.kent.edu/policyregister 3342-3-01.8.

Cheating and plagiarism constitute fraudulent misrepresentation for which no credit can be given and for which appropriate sanctions are warranted and will be applied.

The university affirms that acts of cheating and plagiarism by students constitute a subversion of the goals of the institution, have no place in the university and are serious offenses to academic goals and objectives, as well as to the rights of fellow students.

“Cheat” means to intentionally misrepresent the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation. Cheating includes, but is not limited to:

1. Obtaining or retaining partial or whole copies of examinations, tests or quizzes before these are distributed for student use;
2. Using notes, textbooks or other information in examinations, tests and quizzes except as expressly permitted;
3. Obtaining confidential information about examinations, tests or quizzes other than that released by the instructor;
4. Securing, giving or exchanging information during examinations;
5. Presenting data or other material gathered by another person or group as one’s own;
6. Falsifying experimental data or information;
7. Having another person take one’s place for any academic performance without the specific knowledge and permission of the instructor;
8. Cooperating with another to do one or more of the above;
9. Using a substantial portion of a piece of work previously submitted for another course or program to meet the requirements of the present course or program without notifying the instructor to whom the work is presented; and
10. Presenting falsified information in order to postpone or avoid examinations, tests, quizzes or other academic work.

“Plagiarize” means to take and present as one’s own a material portion of the ideas or words of another person or to present as one’s own an idea or work derived from an existing source without full and proper credit to the source of the ideas, words, or works. As defined, plagiarize includes, but is not limited to:

a. The copying of words, sentences and paragraphs directly from the work of another without proper credit;
b. The copying of illustrations, figures, photographs, drawings, models, or other visual and nonverbal materials, including recordings of another without proper credit; and
c. The presentation of work prepared by another in final or draft form as one’s own without citing the source, such as the use of purchased research papers.

STUDENT CHEATING AND PLAGIARISM: ACADEMIC SANCTIONS

The following academic sanctions are provided by this rule for offenses of cheating or plagiarism. Kent campus instructors shall notify the department chairperson and the student conduct office each time a sanction is imposed. Regional campus instructors shall notify the regional campus dean and the student conduct officer each time a sanction is imposed. Regional campus student conduct officer shall notify the Kent student conduct office each time a sanction is imposed by a regional campus Instructor. The following academic sanctions are provided by this rule for offenses of cheating or plagiarism. In those cases the instructor may:

1. Refuse to accept the work for credit; or
2. Assign a grade of “F” or zero for the project, test, paper, examination or other work in which the cheating or plagiarism takes place; or
3. Assign a grade of “F” for the course in which the cheating or plagiarism took place; and/or;
4. Recommend to the department chair or regional campus dean that further action specified in the rule be taken. The department chairperson or regional campus dean shall determine whether or not to forward to the academic dean or to the vice president for the extended university a recommendation for further sanction under this rule.

For information regarding the academic appeals procedure, please refer to page 107 of the 2008-2009 FlashGuide