Saint Louis University-Madrid Campus
Division of Science & Engineering
CSCI-3300 Software Engineering
Syllabus

Course name: Software Engineering
Course Code: CSCI-3300
Semester: Spring
Professor: TBA
E-mail: TBA
Credit Hours: 3
Office Hour: TBA
Prerequisite(s): CSCI-2300 Object-Oriented Software Design
Add & Drop Period: TBA
Last Day to Drop a Class with a Grade W: TBA

Description: Fundamentals of Database systems: the relational model, file organization and indexes, relational algebra, structured query language, the entity relationship model, normalization, object databases.

Course Topics:
- Software Process Life Cycle
- Project Management
- Software Requirements
- Software Analysis
- Software Design
- Software Implementation
- Configuration Management
- Verification and Validation
- Testing
- Maintenance
- Project Cost Estimation

Textbook: N/A

Course Learning Outcomes
Students successfully completing this course will be able to
- manage object-oriented and classical software construction projects including planning, scheduling, and risk assessment/management.
- author software requirement documents with the appropriate content.
- author formal specifications for software systems.
- demonstrate proficiency in rapid software development techniques.
- identify specific components of a software design that can be targeted for reuse.
- demonstrate proficiency in software development cost estimation.
- author software-testing plans.
- explain the direction of software engineering and technologies of the future.

Grading system: The grade will be obtained from the following areas:
Homework and Quizzes: **10%**
Fist Mid-term Exam: **25%**
Second Mid-term Exam: **25%**
Final Exam: **40%**

Grading Scales from Exams:
A 90-100%
A- 87-89%
B+ 84-86%
B 80-83%
B- 77-79%
C+ 74-76%
C 70-73%
C- 66-69%
D 60-65%
F < 60%

Exams Dates:
First midterm: TBA
Second midterm: TBA
Final exam: TBA

Students with Disabilities: Any student who qualifies for special accommodations, due to presence of a disability, and feels it necessary to utilize them in order to meet the requirements of this course as outlined in the syllabus, should contact Counseling/Disability Services. Please phone the office at 91 554-5858 (Ext. 230), or send an e-mail to disabilityservices-madrid@slu.edu. Students may also stop by the Counseling/Disabilities Services Office. Confidentiality will be observed in all inquiries.

Policies:
(1) Students are encouraged to participate in class discussions and to ask questions.
(2) Announcements may be made during the semester.
(3) Useful information for the course may be found on the web:
http://portal.sluiberica.slu.edu/webct/index.html
(4) Syllabus, reading and homework problems are subject to change.
(5) Students are responsible for all lecture material, handouts, homework and assigned reading.
(6) Students are expected to attend all classes unless a reasonable excuse is given.
(7) Make up exams are not given. Students who legitimately miss an exam, due to a doctor's visit or family emergency must provide written documentation of the circumstances. A letter from the university counselor is accepted. Exams that are missed illegitimately result in a score of F. Grades for these students will be based on the remaining exams. Missing more than one exam results in an F grade.

Academic Integrity
The following is a statement of minimum standards for student academic integrity at Saint Louis University.
The University is a community of learning, whose effectiveness requires an environment of mutual trust and integrity, such as would be expected at a Jesuit, Catholic institution. As members of this community, students, faculty, and staff members share the responsibility to maintain this environment. Academic

dishonesty violates it. Although not all forms of academic dishonesty can be listed here, it can be said in general that soliciting, receiving, or providing any unauthorized assistance in the completion of any work submitted toward academic credit is dishonest. It not only violates the mutual trust necessary between faculty and students but also undermines the validity of the University's evaluation of students and takes unfair advantage of fellow students. Further, it is the responsibility of any student who observes such dishonest conduct to call it to the attention of a faculty member or administrator.

Examples of academic dishonesty would be copying from another student, copying from a book or class notes during a closed-book exam, submitting materials authored by or editorially revised by another person but presented as the student's own work, copying a passage or text directly from a published source without appropriately citing or recognizing that source, taking a test or doing an assignment or other academic work for another student, tampering with another student's work, securing or supplying in advance a copy of an examination without the knowledge or consent of the instructor, and colluding with another student or students to engage in an act of academic dishonesty.

Where there is clear indication of such dishonesty, a faculty member or administrator has the responsibility to apply appropriate sanctions. Investigations of violations will be conducted in accord with standards and procedures of the school or college through which the course or research is offered. Recommendations of sanctions to be imposed will be made to the dean of the school or college in which the student is enrolled. Possible sanctions for a violation of academic integrity include, but are not limited to, disciplinary probation, suspension, and dismissal from the University.

Approved by the Council of Academic Deans and Directors, September 20, 2000.

9) Accommodation: In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about: Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor. University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Academic Dean's Office (San Ignacio Hall) or by going to http://spain.slu.edu/academics/learning_resources.html. Students who believe that, due to a disability, they could benefit from academic accommodations are encouraged to contact Disability Services at +34 915 54 58 58, ext. 204, send an e-mail to counselingcenter-madrid@slu.edu, or to visit the Counseling Office (San Ignacio Hall). Confidentiality will be observed in all inquiries. Course instructors support student accommodation requests when an approved letter from Disability Services has been received and when students discuss these accommodations with the instructor after receipt of the approved letter.

(10) Title IX Syllabus Statement • Saint Louis University and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the University. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU's Title IX deputy coordinator, Marta Maruri, whose office is located on the ground floor of Padre Rubio Hall, Avenida del Valle, 28 (mmaruri@slu.edu; 915-54-5858 ext. 213) and share the basic fact of your experience with her. The Title IX deputy coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus. • If you wish to speak with a confidential source, you may contact the counselors at the SLU-Madrid's Counseling Services on the third floor of San Ignacio Hall (counselingcenter-madrid@slu.edu; 915-54-5858 ext. 230) or Sinews Multipletherapy Institute, the off-campus provider of counseling services for SLU-Madrid (www.sinews.es; 91-700-1979) To view SLU-Madrid's sexual misconduct policy and for resources, please

visit the following web address: http://www.slu.edu/Documents/Madrid/campus-life/SLUMadridSexualMisconductPolicy.pdf

(11) Collection of student work for assessment:
Saint Louis University - Madrid Campus is committed to excellent and innovative educational practices. In order to maintain quality academic offerings and to conform to relevant accreditation requirements, we regularly assess our teaching, services, and programs for evidence of student learning outcomes achievement. For this purpose we keep on file "anonymized" representative examples of student work from all courses and programs such as: assignments, papers, exams, portfolios, and results from student surveys, focus groups, and reflective exercises. Thus, copies of your work for this course, including any exams, oral presentations, assignments, submitted papers and/or portfolios may be kept on file for institutional research, assessment and accreditation purposes. If you prefer that Saint Louis University-Madrid Campus does not keep your work on file, you will need to communicate your decision in writing to your professor.