



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

<http://www.acs.uwinnipeg.ca>

Course Number: ACS-4901-001

Course Name: Senior Systems Development Project Course

Instructor Information

Instructor: Sheela Ramanna

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Office Hours: TBD

Class Meeting Time: Orientation Class will be held on Sep. 7, 2016 in room 3C13

Meeting Room: TBD

Important Dates

Reading Week: October 9-15, 2016 (no classes)

Final Withdrawal Date without academic penalty: Wednesday, January 19, 2017

(A minimum of 20% of the work on which the final grade is based will be evaluated and available to the student before the voluntary withdrawal date.)

Deadlines¹

• Submission of proposed team member roles	Week of September 12, 2016
• Initial Meeting with the Project Sponsor	Week of September 19, 2016
• Project Proposal	Week of September 28, 2016
• Project Plan	Week of October 3, 2016
• Systems Study Review	Week of November 7, 2016
• Detailed Design Review	Week of January 2, 2017
• Development Review	Week of February 6, 2017
• Delivery of the system to your user for testing	Week of February 20, 2017
• Final turnover to user; sign-off from user	Week of March 6, 2017
• Sign-off on Course Completion Checklist	Week of March 27, 2017
• Project Completion Seminar and System Demo.	Friday, March 31 2017
• Sign-off on completed repository	Tuesday, April 4, 2017

¹ Please refer to the *Senior Systems Development Course Standards Handbook and Project Handbook*, Applied Computer Science Department, University of Winnipeg, 2016 for more details.

Course Objectives/Learning Outcomes²

- To provide experience in planning and executing a project through the entire software life cycle
- To gain hands-on experience in major aspects of project management.
- To provide experience in working in teams, end-users and faculty under minimal supervision
- To develop technical writing and communication skills.

Evaluation Criteria

Team Component (35%)

System Quality / Functionality <ul style="list-style-type: none">• Overall design• Match with user requirements• Technical reliability• System features (e.g. input forms, screens and reports, system performance)• Flexibility for future improvements	Possible Marks (15%)
Documentation <ul style="list-style-type: none">• All systems documentation and project documentation such as Proposal, Project Plans, Architectural Plans, SSR, DDR, Project Completion Report, Technical and User Manuals, Correspondence, Project Repository, Program source code.	Possible Marks (10%)
Project Management <ul style="list-style-type: none">• All team members' collective contribution to ensuring that the project can be managed efficiently and effectively. This includes meeting deadlines and equitable distribution of workload.	Possible Marks (10%)

² Please refer to the *Senior Systems Development Course Standards Handbook and Project Handbook*, Applied Computer Science Department, University of Winnipeg, 2016 for more information.

Individual Component (65%)

Individual Contribution <ul style="list-style-type: none">• Quality of your own deliverables• Commitment to the project• Quality, thoroughness and honesty of peer evaluations• Ability to communicate with end-users, instructors, team members and technical support personnel	Possible Marks (35%)
Presentation Content/Skills <ul style="list-style-type: none">• Systems Study Review• Project Completion Seminar• Development Review/Testing• Systems Demonstration	Possible Marks (20%)
Individual Time Management <ul style="list-style-type: none">• Ability to meet your own task deadlines	Possible Marks (5%)
Participation <ul style="list-style-type: none">• Preparedness for and participation in, and quality of contribution to team meetings	Possible Marks (5%)

Final Letter Grade Assignment

Historically, numerical percentages have been converted to letter grades using the following scale. However, instructors can deviate from these values based on pedagogical nuances of a particular class, and final grades are subject to approval by the Department Review Committee.

A+	90+ - 100%	B	70 - 74%	F	below 50%
A	85 - 90%	C+	65 - 69%		
A-	80 - 84%	C	60 - 64%		
B+	75 - 79%	D	50 - 59%		

Midterm Mark Breakdown (30%)

Team component: **7%** out of 35% (total)

Individual Contribution **10%** out of 35% (total)

Presentation Content/Skills (SSR) **8%** out of 20% (total)

Individual Time Management **2.5%** out of 5% (total) from September to December

Participation **2.5%** out of 5% (total) from September to December

NOTE: Peer evaluations will be required by each student at the end of Fall term and at the end of the course.

Test / Exam Requirements

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., note-takers) are encouraged to contact Accessibility Services (AS) at 786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential. <http://www.uwinnipeg.ca/accessibility>.

Students facing a charge of academic or non-academic misconduct may choose to contact the University of Winnipeg Students' Association (UWSA) where a student advocate will be available to answer any questions about the process, help with building a case, and ensuring students have access to support. For more information or to schedule an appointment, visit our website at www.theuwsa.ca/academic-advocacy or call 204-786-9780.

We ask that you please be respectful of the needs of classmates and instructors/professors by avoiding the use of unnecessary scented products while attending lectures. Exposure to scented products can trigger serious health reactions in persons with asthma, allergies, migraines or chemical sensitivities. Please consider using unscented necessary products and avoiding unnecessary products that are scented (e.g. perfume).

Required Text Book

- Past Project Repositories
- *Senior Systems Development Course Standards and Project Handbook*, Applied Computer Science Department, University of Winnipeg, 2016.

Prerequisite and restriction Information* (This information can be found in the UW Undergraduate Academic calendar)

- **Prerequisites:** A grade of at least C in ACS-2814/3 (or the former ACS-2914/3), ACS-3901/3, ACS-3902/3, and ACS-3913/3, and a minimum average GPA of 2.0 in all ACS.xxxx courses previously taken.
- **Restrictions:** Students cannot hold credit in this course and the former 92/91.3920/6.

Misuse of Computer Facilities, Plagiarism, and Cheating

Academic dishonesty is a very serious offense and will be dealt in accordance with the University's policies. Be sure that you have read and understood **Regulations & Policies #8**, starting on page 27, in the 2016-2017 UW Undergraduate Academic Calendar or <http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>.