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   **Office:** 3D15   **Email:** s.ramanna@uwinnipeg.ca
Instructor: James Deng   **Office:** 3D17   **Email:** j.deng@uwinnipeg.ca

Office Hours: TBD
Class Meeting Time: Orientation Class will be held on Sep. 6, 2017 in room 3C13
Meeting Room: TBD

Important Dates
Fall Reading Week: October 8-14, 2017 (no classes)
Winter Reading Week: February 18-24, 2018 (no classes)

Final Withdrawal Date without academic penalty: February 14, 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.)

Deadlines[1]

• Submission of proposed team member roles	Week of September 11, 2017
• Initial Meeting with the Project Sponsor	Week of September 18, 2017
• Project Proposal	Week of September 25, 2017
• Project Plan	Week of October 2, 2017
• Systems Study Review	Week of November 20, 2017
• Detailed Design Review	Week of January 8, 2018
• Development Review	Week of February 5, 2018
• Delivery of the system to your user for testing	Week of February 19, 2018
• Final turnover to user; sign-off from user	Week of March 12, 2018
• Project Completion Seminar and System Demo.	Friday, March 23, 2018
• Sign-off on Course Completion Checklist.	Week of March 26, 2018
• Sign-off on completed repository	April 4, 2018

---

[1] Please refer to the ***Senior Systems Development Course Standards Handbook and Project Handbook***, Applied Computer Science Department, University of Winnipeg, 2017 for more details.

Course Objectives/Learning Outcomes[2]

- 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 • 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 • 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 • 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, 2017 for more information.

Individual Component (65%)

Individual Contribution • 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 • Systems Study Review • Project Completion Seminar • Development Review/Testing • Systems Demonstration	**Possible Marks (20%)**
Individual Time Management • Ability to meet your own task deadlines	**Possible Marks (5%)**
Participation • 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.

Email Communication

Emails from accounts at uwinnipeg.ca are usually not filtered by the UofW email filter. Thereby it is recommended electronic communication used for the course utilize a UofW email account to minimize the risk of filtering.

Services for Students

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 may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work examinations without penalty. A list of religious holidays can be found in the 2017-18 Undergraduate Academic Calendar.

All students, faculty and staff have the right to participate, learn, and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect .

Required Text Book

- Past Project Repositories
- ***Senior Systems Development Course Standards and Project Handbook***, Applied Computer Science Department, University of Winnipeg, 2017.

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 with in accordance with the University's policies. Be sure that you have read and understood Regulations & Policies #8, in the 2017-2018 UW Undergraduate Academic Calendar available at http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf.

Additional information is available at University of Winnipeg library video tutorial "Avoiding Plagiarism" https://www.youtube.com/watch?v=UvFdxRU9a8g

Additional Course Related Information

1. When it is necessary to cancel a class due to exceptional circumstances, instructors will make every effort to inform you via uwinnipeg email, as well as the departmental assistant and Chair/Dean so that class cancellation forms can be posted outside classrooms.

2. Your uwinnipeg email address will normally be used for course related correspondence.

3. Please note that withdrawing before the VW date does not result in a fee refund.

4. Class make-up days are scheduled at the end of term for courses that conflict with holidays.