SCHULICH School of Engineering

COURSE OUTLINE
Fall 2019

M.H.

1. Calendar Information

ENSF 613 - Software Requirements Analysis and Process Management

Description: Introduction to software development process, product management, and software requirements analysis: Elicitation, modelling, and validation of requirements.
Course Hours: 3 Hours

Calendar Reference:

http://www.ucalgary.ca/pubs/calendar/current/software-engineering.html#10258

2. Learning Outcomes

At the end of this course, you will be able to:

1. Understand software as an engineering product
2. Understand software development process and software lifecycle
3. Understand basic operation of software project management
4. Understand different development process models
5. Learn basic elements of software projects feasibility analysis
6. Understand principles of knowledge elicitation and application of several elicitation techniques
7. Understand and use different requirements analysis and modeling techniques
8. Learn principles of handling non functional requirements
9. Develop software requirements specification (SRS) document

3. Timetable

Section	Days of the Week	Start Time	Duration (Minutes)	Location
L01	MW	15:30	75	ST 129

4. Course Instructors

Course Instructor

Section	Name	Phone	Office	Email
L01	M. Moussavi	(403) 220-6231	ICT 537	moussam@ucalgary.ca

Teaching Assistants

Section	Name	Phone	Office	Email
TBA	TBA	TBA	TBA	TBA

5. Examinations

The following closed-book examination will be held in this course:

1. A two-hour midterm exam. Date, time, and location of the exam will be announced on the D2L.

2. A two-hour final exam. Date, time, and location of the exam will be announced on the D2L.

7. Final Grade Determination

The final grade in this course will be based on the following components:

Component	Weight
Assignments and Quizzes	10 %
Term Projects	40 %
Midterm Exam	20 %
Final Exam	30 %
TOTAL	100 %

Note: It is not necessary to earn a passing grade on the final exam in order to pass the course as a whole.

8. Textbook

There is no required textbook for this book. However the following textbooks are useful references, if needed.

Title	*Requirements Engineering From System Goals to UML Models to Software Specification*
Author(s)	Axel Van Lamsweerde
Edition, Year	Latest Edition
Publisher	*Wiley*

Title	*An Introduction to REQUIREMENT ENGINEERING*
Author(s)	Ian K. Bray
Edition, Year	Latest Edition
Publisher	*Addisonn Wesley*

Title	*Software Engineering A Practitioner's Approach*
Author(s)	Roger S. Pressman
Edition, Year	Latest Edition
Publisher	*Addison Wesley*

9. Course Policies

All Schulich School of Engineering students and instructors have a responsibility to familiarize themselves with the policies described in the Schulich School of Engineering Advising Syllabus available at:

http://schulich.ucalgary.ca/undergraduate/advising

Emergency Evacuation/Assembly Points

In the event of an alarm sounding, all classrooms and labs must be evacuated immediately. Please respond to alarms promptly by leaving the building by the closest available exit. Faculty and students must remain outside the building until the 'all clear' has been given by a Fire Marshall. In case of emergency, call 220-5333.

Assembly Points have been identified across campus. These areas have been selected as they are large enough to hold a significant number of people and will provide an evacuated population access to washroom facilities and protection from the elements. More information on assembly points can be found at http://www.ucalgary.ca/emergencyplan/assemblypoints.

In addition to these policies relating to graduate and undergraduate students, SSE graduate students should be aware of the following:

9.1 Graduate Student Association.

Information on the Graduate Student Association can be found at:

http://www.ucalgary.ca/gsa/

10. Additional Course Information