

Course Outline

Department of Computing Science Faculty of Science

COMP 4910 – 3 Computing Science Project Winter, 2015

Instructor:	Phone/Voice Mail

Office: E-Mail:

Office Hours:

Course / Calendar Description:

Students in this "capstone" project course must complete a practical design and implementation of a supervised project in an area of specialisation in Computing Science. Students will develop a 'live' project either working with an external client or a research project with an individual faculty supervisor.

Course Objectives / Learning outcomes:

Upon successful completion of the course, the student will demonstrate the ability to:

- 1. Design and implement a supervised "live" project.
- 2. Integrate the computing science knowledge gained at TRU in one project.
- 3. Work effectively in co-operation with external clients or researchers.

Prerequisites:

COMP 3520: Software Engineering

COMP 4530 Advanced Software Engineering is a co-requisite.

Fourth year standing.

Textbook: None

References:

http://agilemanifesto.org/ http://www.agilealliance.org/

http://www.mountaingoatsoftware.com/

http://www.ccpace.com/resources/documents/agileprojectmanagement.pdf http://en.wikipedia.org/wiki/Agile_software_development https://www.gravitydev.com/

Sommerville Ian, *Software Engineering*, 9th Edition, Addison Wesley; ISBN-10: 0137035152.

Lecture Topics:

N/A

Lab Topics:

N/A

ACM / IEEE Knowledge Area Coverage

Knowledge Areas that contain topics and learning outcomes covered in the course

Knowledge Area	Total Hours of Coverage
Software Engineering (SE)	29
Project Experience	150

Body of Knowledge coverage

KA	Knowledge Unit	Topics Covered	T1	T2	Electi
			hou	hou	ve
			rs	rs	hours
SE	Software Processes	Usage of T1	2	0	0
SE	Software Project	Usage of T2	0	2	0
	Management	_			
SE	Tools and Environments	Usage of T2	0	2	0
SE	Requirements Engineering	Usage of T1; T2	3	3	0
SE	Software Design	Usage of T1; T2	3	5	0
SE	Software Construction	Usage of T1	2	0	0
SE	Software Verification and	Usage of T2	0	4	0
	Validation	_			
SE	Software Evolution	Usage of T2	0	2	0
SE	Software Reliability	Usage of T2	0, 1	1	0
	Project Experience	Development of a semester long	150	0	0
	-	project			