COMP6448 – Security Engineering Masterclass

Created: 11 Feb 2016   Proposal Last Updated: 11 Feb 2016

Offering Details:

Key Details and Contacts

Key Course Details

Course Name (Official)	Security Engineering Masterclass
Standard Name (SIMS)	Security Masterclass
Course Code	COMP6448
Units of Credit (UOC)	6
Career	Hybrid

Course Offerings	Offering Number	Career	Course Code
	1	UG	COMP6448
	2	PG	COMP6448

Level	3
First Semester and Year the Course will be offered	2016/2017 Summer Term
Does this new course replace another existing course?	No

Contact Details

Proposal Proponent	Name	Email	Role
	Richard Buckland	z9700463@unsw.edu.au	Associate Professor, School of Computer Science and Engineering

Proposal Author(s)	Not specified

Proposal Contact	Name	Email	Role
	Richard Buckland	z9700463@unsw.edu.au	Associate Professor, School of Computer Science and Engineering

Optional Additional Endorsers	Not specified
Academic Unit responsible for course	School of Computer Science and Engineering
Parent Academic Unit	Faculty of Engineering

Proposal Concept

Summary of Proposal

Summary of Proposal	This is an elective specialist security course in emerging and advanced topics to be run by experts and specialists.
	Students will be exposed to advanced and emerging topics in a series of intensive practical workshops run by renowned visiting experts.
	Assessment will be by major applied project and report, research project and report, or final exam, depending on the topic of the class.

Justification for proposal

Justification for Proposal	Under the CBA/UNSW security partnership we will fly in leading experts from around the world to run intensive masterclasses in specialist topics. Topics will vary from year to year depending on the visitor and the current developments in cyber security.
	As well as being attractive to advanced students in the security stream it is likely that there will be considerable interest from industry practitioners wishing to engage in professional development.
	This course forms part of the new cyber security stream for Computer Science Students. The stream has been developed as a collaboration between UNSW and the CBA. The CBA are funding PhD scholarships, a full time lecturing position, and a cyber security lab as part of the partnership.

Anticipated Enrolments

Anticipated Enrolments for next 3 years	2017	2018	2019
	20	30	30

Attachments

Attach documentation to this proposal	None attached

Learning and Teaching

Learning & Teaching development and support

Are there Learning & Teaching space requirements for the course beyond those that can be accommodated by CATS spaces?	Yes
Learning & Teaching space requirements and whether or not existing specialist spaces can meet these needs	Students will need access to isolated secure computer labs running specific software. Unless technologies change, the standard UNSW computing labs, running the SOE, are not suitable. CSE is building a security lab which will be suitable for this course.
Have you discussed with the Learning Centre and Learning and Teaching what language and/or academic skills development resources and/or which teaching and learning strategies might be suited to this course?	Yes
Details of the language and/or academic skills development resources and/or which teaching and learning strategies are required for this course	This course contains considerable online teaching and learning, supplimeneted by face to face lecture/seminar sessions. I have had extensive discussions with the LTU about ways in which this can be done. Teachers of this course will need to be trained in creating and facilitating online collaborative learning. I am able to conduct this training myself so no additional rescues will be required for this.
Are many students in this course at a key transition point where their academic skills are likely to need development, e.g. from one kind of educational institution or type of program to another or into education after a significant break?	No

Consultation

Internal consultation

Internal Consultation	Consultants	None specified
	Details	None specified
	Attachments	None specified

External consultation

External Consultation	Consultants	None specified
	Details	None specified
	Attachments	None specified
Interested Parties	Not specified	

Related Proposals