

2012

COURSE OUTLINE FOR COSC 430

Information Security and Access Management

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1. OBJECTIVE OF THE COURSE

This course is designed to build mainly on the work of COSC332 (from 2012, it is COSC362) which are strongly recommended preparation. It is one of the papers which can be taken for the Post Graduate Diploma in Computer Security and Forensics as well as for Honours or Masters.

This course is intended to provide students with an understanding of basic knowledge on cryptography, system and network security techniques, security risk assessment and management, security decision making and policies development and related international standards and requirements.

2. COURSE CONTENT

There are three key components to this course:

§ Security techniques basics

- Cryptography
- System and Network Security techniques

§ Security management

- Risk assessment and management
- Security decision making and policies development
- International standard and requirements

§ A project report

- A research and/or development project related to the course topics should be done.
- A project topic will be given to students by the course lecturer or selected by students.

3. ASSESSMENT

§ Two assignments: due date to be advised (20% of course, 10% each)

§ A project report: due date to be advised (40% of course)

§ One written test (2 hours): date to be advised (40% of course)

4. TEACHING ARRANGEMENTS

Lectures and labs (two hours per week) for the first term will commence Monday 19 February and finish Friday 30 March 2012.

Lectures for the second term will commence on 23 April finishing on 25 May 2012.