



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

FACULTY OF
ENGINEERING AND
BUILT ENVIRONMENT



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COMP1010 – Week 1

Introduction

Dr. Raymond Chiong, Dr. Mira Park, Dr. Mark Wallis
COMP1010 – Computing Fundamentals
University of Newcastle

STAFF

- Co-ordinator: Dr Raymond Chiong
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Consultation: by appointment
- Lecturers: Dr Raymond Chiong (weeks 4-6)
Dr Mark Wallis (weeks 7-12)
Prof Brian Corbitt (weeks 2-3)
- Demonstrators: Available only during workshops

WHAT THE COURSE IS

- Introducing the principles and techniques behind hardware and software systems
 - model and develop working software solutions
 - identify related ethical issues
- Career-long skills required to work and manage tasks in a team environment
- Key concepts of discrete mathematics

WHAT THE COURSE COVERS

- Group communication skills;
- Concepts of hardware and software systems;
- Project management;
- Software development;
- Modelling hardware and software systems;
- Ethical issues;
- Fundamentals of discrete mathematics;
- Computing in the ICT industry.

NOTICES AND COURSE MATERIAL

Will all be provided through our
Blackboard web site

<http://uonline.newcastle.edu.au>

EMAIL COMMUNICATION

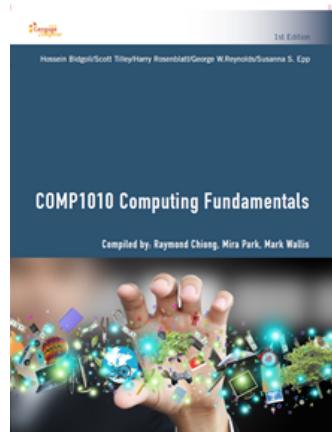
- You have a UON **e-mail** account:
 - use it for communicating with university staff, do NOT use your private email address
 - include your name, student number, course, campus, and full description of any assessment item involved.

Learning materials

LEARNING MATERIALS AVAILABLE ON BLACKBOARD

- Course Materials tab
 - Lectures
 - Workshops
- EchoCentre tab
- Assessment (to appear late Week 1)

RECOMMENDED TEXT



COMP1010 *Computing Fundamentals* compiled by
Raymond Chieng, Mira Park and Mark Wallis
1st Edition, Cengage Learning, 2017

Only available at cengagebrain.com

Plus get **10% OFF** when you use coupon code
TAKE10OFF at the checkout

FURTHER READINGS

- Hossein Bidgoli, MIS (7th Edition)
- Scott Tilley & Harry Rosenblatt, Systems Analysis & Design
- George W Reynolds, Ethics in Information Technology
- Susanna S Epp, Discrete Mathematics

Course structure

LECTURES AND WORKSHOPS

- Come to the lecture on Wednesday 2-4pm
- Attend one workshop, starting in week 2
 - You should go to the specific class you have enrolled in
 - Assessment tasks require you to work in group. Your group will be formed from people in your workshop

CAN'T ENROL IN YOUR PREFERRED WORKSHOP TIME ?

- Check workshop registration regularly – places become available when students withdraw
- No manual enrolment in the first two weeks. Please attend the workshop you officially enrolled in for now.

Assessment

ASSESSMENT TASKS

- **Group Report 35%** - due end of week 9
- **Group Presentation 15%** - to be held in your workshop between weeks 10-12
- **Final Exam 50%** - during the exam period

Note: $\geq 40\%$ in the final exam required to pass the course

Retention of Assignment Scripts

In 2018, the University of Newcastle will undergo its 5 yearly accreditation cycle with Engineers Australia. Part of this routine process is the collection of a sample of student assignments over a 1+ year period. The objective is to provide the accrediting panel an indication of educational rigour across all courses. In 2017, we will commence collecting sample assignments from each and every assessment task, across the full spectrum of marks. They will be provided to the panel but not de-identified. If you object to your assignment being retained with your name associated, please indicate this on the submission, and if retained, we will de-identify your paper. All papers will be destroyed at the completion of the accreditation process.

PROBLEMS DOING THE GROUP ASSIGNMENT AT YOUR SCHEDULED TIME ?

- Send email to Raymond immediately, and supply documentation within 3 days
 - Doctor's certificate
 - Letter from employer confirming **necessity** for work
 - Other documentation, subject to approval
- Make alternative arrangements with your demonstrator **if** approved

PROBLEMS SUBMITTING THE GROUP REPORT ON TIME ?

- Send email to Raymond immediately
- Apply through the online adverse circumstances system
- Supply documentation to a hub within 3 days
 - Doctor's certificate
 - Letter from employer confirming **necessity** for work
 - Other documentation, subject to approval
- Otherwise late submissions' penalty applies

TEAM CHARACTERISTICS FOR SUCCESS

- Share a common purpose
- Identify individual talents and expertise
- Balanced distribution of workload
- Energy directed to problem solving not interpersonal issues/conflicts
- Differences of opinion encouraged to spark positive debate
- Encourage creativity by learning from mistakes not using them as reasons for punishment
- Each member tries to excel and encourage others
- Members identify with the team and its success

Ref: *Project Management – the Managerial Process, Gray and Larson, McGraw Hill.*

FINAL EXAM

- Closed book
- Covers material from **lectures**
- Past exam papers **NOT** available
- **Multiple choice questions**
- **Exam timetables**, and final results, will be available on the University website

Questions ?

Welcome to Professionals Australia

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- <http://www.professionalsaustralia.org.au/>
- Market Briefing
- Job Search
- Continuing Professional Development