

TNE30019 – Unix for Telecommunications

Unit Introduction

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TNE30019 – Unit Introduction

Teaching Staff

- Convenor: Dr. Jason But
- Lab Instructors: Quoc Khanh Le, Fari Jowkarishasaltaneh
- Tutorial Instructors: Fari Jowkarishasaltaneh

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Unit Overview

Motivation

- Key network infrastructure runs Unix, e.g. routers
- Key network services run under Unix, e.g. DNS
- Large fraction of network servers runs Unix

Learning Outcomes

- Use Unix system from command line (and GUI)
- Understand basics of Unix OS
- Configure common network services on Unix
- Basic shell scripting and socket programming
- Design and implement network service
- Document lab work and research assignment

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My Reflection – Does the Portfolio Work?

Overall I believe so, despite the large amount of extra work for us, both during and before semester

In the previous system a significant number of students who worked hard enough to merit a HD often had to settle for a D. Similarly there were occasions where students who probably did enough to pass failed to jump all requirements, and students who probably didn't managed to scrape through

The structure of the portfolio leaves me very comfortable that all students who have passed this Unit have definately earnt that pass, all teaching staff believe that all students who did enough to merit a HD will have received one

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- Unit Outline
- Lecture Slides
- Grading Information
- Specific Portfolio Task Information
- Tutorial Information
- Discussion Board
- Lets have a look...

Lecture Recordings and Live Online

- Lecture Recordings
 - One-two hours pre-recorded content per week
 - Covers core material
- Live Online Sessions
 - Interactive activities
 - Demonstrations
 - Question and answer sessions
 - Industry Speakers

Industry Speakers

- Compulsory attendance
- Tied to Portfolio tasks

Portfolio

Theory Tasks

- Confirm your theoretical understanding of the material
- Tests, Discussion participation, Report

Practical Tasks

- Confirm your practical ability to build/deploy solutions
- Labs, Project, Programming

Communication Tasks

- Confirm your ability to communicate your learning/discoveries
- Lab Reports, Research Report, Presentation, Reflection

Tutorials

- One hour
- 9 tutorials during semester (*Grand Final Holiday*)
- Preparation will help (see Canvas)
- Some Portfolio tasks assessed in tutorials
- First tutorial covers tech reports and plagiarism

Laboratories

- Two hours
- Build on each other (don't miss any)
- Generally cannot be completed during lab time
- Ten labs during semester

Portfolio Lab Tasks

- Each lab exercise must be at least completed to the **Pass** Level
- You get to choose if you want to do more

Portfolio Lab Reports

- Three labs must be written up with a Lab Report
- Which labs are to be written are listed on Canvas
- Portfolio task sheets specify minimum requirements

Assessment/Grades

Portfolio

- Managed through Doubtfire
<https://doubtfire.ict.swin.edu.au>
- You get to choose what grade you want to get
- Must complete all tasks at a grade level to achieve that grade
- See Doubtfire and Canvas for task and grade information

Issues Keeping Up

- **Don't wait** – contact us early
- Extensions considered/granted if they occur infrequently
- No deadline for Pass students (except end-semester)

Didn't get what you want

- **Don't give up**
- Come talk to me

Exam

No Exam

