Course Outline

Semester 2 2016

Never Stand Still

Engineering | Mechanical and Manufacturing Engineering

MTRN2500

COMPUTING FOR MECHATRONIC ENGINEERS

Contents

1. Staff Contact Details

Contact details and consultation times for course convenor

Name: Associate Professor Jay Katupitiya
Office: ME510E
Tel: (02) 9385 4096
Email: J.Katupitiya@unsw.edu.au

Consultation Times: See Moodle news forum for dates and times.

Contact details and consultation times for additional lecturers/demonstrators/ lab staff

Name: Dr Jose Guivant
Office: ME510D
Tel: (02) 9385 9820
Email: J.Guivant@unsw.edu.au

Consultation Times: TBA.

2. Course details

Credit Points:

This is a 6 unit-of-credit (UoC) course, and involves five

Student learning outcomes

This course is designed to address the below learning outcomes and the corresponding Engineers Australia Stage 1 Competency Standards for Professional Engineers as shown. The full list of Stage 1 Competency Standards may be found in Appendix A.

After successfully completing this course, you should be able to:

Learning Outcome	EA Stage 1 Competencies
1. Be well versed with structured and modular programming using C/C++ and to have appreciated the use of software to communicate with external devices.	PE1.1 Comprehensive, theory-based [illegible]

5.

7. Course evaluation and development

Feedback on the course is gathered periodically using various means, including the Course and Teaching Evaluation and Improvement (CATEI) process, informal discussion in the final class for the course, and the School's Student/Staff meetings. Your feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

In this course, recent improvements resulting from student feedback include where the knowledge and skill acquired from this course will be used later in your degree program and a clear explanation of how this course leads up to and relates to MTRN3500.

8. Academic honesty and plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsi[0 595.6(n)10he C4si[0 595.6(n)1Q.5(c)-C8 0.00 . cours hd3(

Further information on School policy and procedures in the event of plagiarism is available on the intranet.

9. Administrative matters

All students are expected to read and be familiar with School guidelines and polices, available on the intranet. In particular, students should be familiar with the following:

- Attendance, Participation and Class Etiquette
- UNSW Email Address
- Computing Facilities
- Assessment Matters (including guidelines for assignments, exams and special consideration)
- Academic Honesty and Plagiarism
- Student Equity and Disabilities Unit

Appendix A: Engineers Australia (EA) Professional Engineer Competency Standards

	Program Intended Learning Outcomes
PE1: Knowledge and Skill Base	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals
	PE1.2 Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1.3 In-depth understanding of specialist bodies of knowledge