

ECTE451 / 458 Thesis 2011

A Brief Overview of the Mechanics of the Subjects

ECTE451 / 458 Thesis

- The thesis projects are arguably the best subjects of your course.
- It's your opportunity to show your skills as an engineer and a researcher.
- It's your chance to become passionate about a topic area.
- You should dedicate about 12 hours per week for ECTE451, and 24 hours per week for ECTE458.

ECTE451/458 Thesis Supervision

- You need to fill in and submit a “Selection of Project Area” form and return these to the SECTE office by the 19th of November.
- Allocating students to staff is a complex optimisation problem using:
 - WAM **
 - topic areas available
 - pre-arranged projects
 - staff study leave

ECTE451/458 Thesis Assessment

- Examination process is very similar to that of honours level research.
- ECTE451: supervisor and examiner grade your thesis and project work.
- ECTE458: supervisor grades your project work and two separate examiners assess your report.
- Seminars in Autumn and Spring.
- Assessment is outlined in a detailed thesis booklet (similar to ECTE250/350)
 - It is highly recommended that you read this thoroughly, prior to start of session

ECTE451/458 Thesis Work Load

- Together the subjects are worth 18 credit points;
 - ECTE451 – 6 CP (Autumn)
 - ECTE458 – 12 CP (Spring)
- ECTE451/458 also run as Spring/Autumn instances.
- Requires a sustained and consistent effort.

ECTE451 → 458 Progression

- Progression from ECTE451 into ECTE458 is subject to a mark of 65% or better.
- Students who obtain a mark less than 65% in ECTE451 are ineligible to enrol in ECTE458 and must complete two elective subjects instead.
- Students aiming for honours level must obtain entry and subsequently complete ECTE458.
- The intention is that these subjects now replace the previous annual thesis subject ECTE457.

ECTE451/458 Thesis

- Weekly tutorials (Monday 8:30 am) on subjects like;
 - writing an abstract and literature review,
 - report layout,
 - presentation techniques and so on ...
- There are several prizes as well:
 - best seminar
 - best poster
 - best overall project

Topic Areas for 2011

A.1 Power Quality and Reliability

A.2 Power Electronics

A.3 Renewable Energy and Distributed Generation

B.1 Biomedical Engineering

B.2 Computer Systems

B.3 Mechatronics

C.1 DSP

C.2 Multimedia and the Internet

C.3 Telecommunications Networks

ECTE451/458 Information Session

- Staff project areas:

Salim Bouzerdoum	C.1	B.2	B.1
Kwan-wu Chin	B.2	C.2	C.3
Philip Ciufu	A.1	A.2	B.2
Parviz Doulai	B.2	A.2	
Haiping Du	B.3		
Daniel Franklin	B.2	B.3	C.3
Zheng Li	B.3		
Kashem Muttaqi	A.1	A.2	A.3
Fazel Naghdly	B.3		
Golshah Naghdly	B.1	C.1	
Sarath Perera	A.1	A.2	
Lam Phung	C.1	B.1	B.2
Prashan Premaratne	C.1	B.3	
Raad Raad	C.2	C.3	
Christian Ritz	C.2	C.1	
Montse Ros	B.2	B.3	
David Stirling	A.1	B.1	B.3
Danny Sutanto	A.1	A.2	A.3
Le Chung Tran	C.1	C.3	
Peter Vial	C.3	C.2	B.3
Jiangtao Xi	C.1	C.2	
Sunny Yu	C.1	B.2	
New staff Dr A	A.1	A.2	
New staff Dr Who	A.1	A.2	

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Question Time