Overview

This course continues the development of the student's engineering skills through a tight coupling of theoretical and practical skills. Students investigate higher level electronic circuit analysis and design techniques, and apply this knowledge to the design of specific electronic hardware. The topics covered are frequency response of amplifiers, use of approximation techniques for estimating amplifier performance, differential and multistage amplifier design, the use of feedback for improving circuit performance, oscillator and phase-lock loop design, and design of wave shaping and data converter circuits. Additionally students gain experience with issues associated with electronic component parasitics, circuit stability, coupling and decoupling, circuit simulation, prototyping and construction.
Faculty
UNSW Canberra at ADFA

School
UC Engineering & Information Technology

Study Level
Undergraduate

Offering Terms
Semester 2

Campus
Canberra

Indicative contact hours
3

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: ZEIT2207
To access course outline, please visit:

ZEIT3216 Course Outline
Fees

Commonwealth Supported Students  Not Applicable
Domestic Students  Not Applicable
International Students  Not Applicable

DISCLAIMER
Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website.

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179