



Course

# Multimedia Signal Processing

ELEC4622 | 6 Units of Credit

## Overview

Signal acquisition, sampling and interpolation for signals in 1, 2 and 3 dimensions. Digital representation of multimedia signals, including representations for colour. Fourier transforms, power spectra and convolution in multiple dimensions. Introduction to shape, geometry and motion processing techniques. Compression technologies and standards for image, video, speech and audio signals. Communication technologies and standards for real-time multimedia signals, including protection against and concealment of errors. Software and hardware techniques for representing and processing multimedia signals.

**Faculty**

Faculty of Engineering

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**School**

School of Electrical Engineering & Telecommunications

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**Study Level**

Undergraduate

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**Offering Terms**

Term 2

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**Campus**

Kensington

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**Indicative contact hours**

6

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**Timetable**

[Visit timetable website for details](#)

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# Conditions for Enrolment

Prereq: ELEC3104

## **Course Outline**

To access course outline, please visit:

[ELEC4622 Course Outline](#)

## Fees

Commonwealth Supported Students \$1191

Domestic Students \$5970

International Students \$5970

### **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)

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