

# COURSE DETAIL

## OPERATING SYSTEMS INTERNALS

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney, Summer at University of Sydney

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

147

**UCEAP Course Suffix****UCEAP Official Title**

OPERATING SYSTEMS INTERNALS

**UCEAP Transcript Title**

OPERATING SYS INTNL

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course examines relevant OS issues and principles and describes how those principles are put into practice in real operating systems. The contents include internal structure of OS; several ways each major aspect (process scheduling, inter-process communication, memory management, device management, file systems) can be implemented; the performance impact of design choices; case studies of common OS (Linux, MS Windows NT, etc.).

## Language(s) of Instruction

English

## Host Institution Course Number

COMP3520

## Host Institution Course Title

OPERATING SYSTEMS INTERNALS

## Host Institution Course Details

<https://www.sydney.edu.au/units/COMP3520>

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2024-2025

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