# ACCT 7016 INFORMATION SYSTEMS FOR ACCOUNTANTS

**Credit Points** 10

**Legacy Code** 200399

**Coordinator** Daniel Yeung (https://directory.westernsydney.edu.au/search/name/Daniel Yeung/)

**Description** Information Systems for Accountants develops a student's knowledge of integrated systems, information security, compliance management and business intelligence within organisational frameworks. Students will apply data analytics, risk assessment, and control design through a practical project. The use of data science tools and processes to aid in the analysis of an accounting information system. The curriculum ensures students are well-prepared to navigate the complexities of designing and managing sophisticated accounting information systems across diverse organisational landscapes.

**School** Business

**Discipline** Accounting

**Student Contribution Band** HECS Band 4 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

**Level** Postgraduate Coursework Level 7 subject

**Co-requisite(s)** ACCT 7018

**Restrictions**

Students wishing to enrol in this subject as an elective must gain approval from an Academic program Advisor (Accounting) and must be enrolled in a postgraduate Business program.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Critically evaluate an existing accounting information system, the effectiveness of its internal controls, and its ability to provide a level of information security that meets decision-makers information needs.

2. Utilise data science tools to model different business scenarios, collect, process, and present information cost-effectively to enhance operations and support reporting requirements of an organisation.

3. Apply data science to extract information from internal and external data sources

4. Analyse business intelligence and information visualisation techniques to provide useful insights to decision-makers.

## Subject Content

1. Documenting Accounting Information Systems.
2. Systems Development Activities.
3. Database Management Systems and relational data model.
4. Controlling Accounting Information Systems.
5. Accounting Information Systems applications.
6. Business Intelligence and Sustainability Reporting.
7. Emerging Technology and Data Analytics.

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

| Type | Length | Percent | Threshold | Individual/ Group Task | Mandatory |
|---|---|---|---|---|---|
| Essay | 2,000 words | 20 | N | Individual | N |
| Professional Task | 1 hour per week | 30 | N | Group/ Individual | N |
| Final Exam | 2 hours | 50 | Y | Individual | Y |

Prescribed Texts

- Richardson, Chang and Smith (2024), Accounting Information Systems 4th Edn, McGraw-Hill Education New York. ISBN10: 1264444842 | ISBN13: 9781264444847

Teaching Periods

# Quarter 4 (2024)
## Parramatta City - Macquarie St
### On-site
**Subject Contact** Daniel Yeung (https://directory.westernsydney.edu.au/search/name/Daniel Yeung/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ACCT7016_24-Q4_PC_1#subjects)

# Sydney City Campus Quarter 4 (2024)
## Sydney City
### On-site
**Subject Contact** Neelam Goela (https://directory.westernsydney.edu.au/search/name/Neelam Goela/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ACCT7016_24-SQ4_SC_1#subjects)

# Quarter 2 (2025)
## Parramatta City - Macquarie St
### On-site
**Subject Contact** Daniel Yeung (https://directory.westernsydney.edu.au/search/name/Daniel Yeung/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ACCT7016_25-Q2_PC_1#subjects)

# Quarter 4 (2025)
## Parramatta City - Macquarie St
### On-site
**Subject Contact** Daniel Yeung (https://directory.westernsydney.edu.au/search/name/Daniel Yeung/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ACCT7016_25-Q4_PC_1#subjects)

# Sydney City Campus Quarter 4 (2025)

**Sydney City**

**On-site**

**Subject Contact** Neelam Goela (https://directory.westernsydney.edu.au/search/name/Neelam Goela/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ACCT7016_25-SQ4_SC_1#subjects)