

# INFS 3007 EMERGING TRENDS IN INFORMATION SYSTEMS (ADVANCED)

**Credit Points** 10

**Legacy Code** 300942

**Coordinator** Ana Hol ([https://directory.westernsydney.edu.au/search/name/Ana Hol/](https://directory.westernsydney.edu.au/search/name/Ana%20Hol/))

**Description** In this advanced subject, students explore the changing nature of information systems in organisations. Apart from being encouraged to research and assess new technologies and implement effective strategies for achieving change within organisational information systems, students will be required to undertake an individual, but closely supervised research project. The project will help stimulate inquiry, strengthen needs for academic research and encourage students to actively participate in new knowledge generation. Furthermore, students will be required to present their findings in a form of an academic paper with a possibility of publishing.

**School** Computer, Data & Math Sciences

**Discipline** Information Systems

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 3 subject

**Incompatible Subjects** INFS 3006 - Emerging Trends in Information Systems

## Restrictions

Students must be enrolled in one of the following programs and successfully completed 140 credit points:

3688 Bachelor of Information Systems (Advanced) or

3745 Bachelor of Information Systems (Advanced)/Bachelor of Business or

2801 Bachelor of Information Systems Advanced/Bachelor of Laws or

2842 Bachelor of Information Systems Advanced/Bachelor of Laws (Honours)

## Learning Outcomes

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

1. Review and analyse current and emerging trends in information systems technologies, including implementation challenges and future impacts on individuals, organisations, and society.
2. Analyse requirements and develop plans for information systems applications, with attention to stakeholder engagement.
3. Examine and evaluate the roles and suitability of business intelligence and data mining strategies for information systems applications.
4. Assess organisational readiness for new technologies with a user-centred approach.
5. Examine and evaluate collaborative information systems technologies and applications.

6. Analyse the ethical and social implications of information systems technologies, considering their effects on diverse communities.
7. Develop skills for applying information systems strategies in future career settings, incorporating project management, design thinking and change management techniques.
8. Review, analyse, and summarise current literature in selected information systems topics, including research on emerging trends and innovations.
9. Identify research gaps and propose research questions.
10. Conduct the research investigation and develop a research output (ie. framework, model, method, system).

## Subject Content

- Introduction to emerging information systems technologies
- Challenges in information systems implementation
- Ethical, legal, and social Implications of information systems
- Transforming organisations through information systems: business models, measuring effectiveness and strategies
- Business intelligence and data mining
- Artificial Intelligence in information systems
- Information systems applications and system integration
- Organisational information systems issues and job readiness
- Collaborative information systems technologies
- Research strategies, literature review, identification of research gaps and the proposal of research questions.
- Individual project supervision and time management.

## 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
Critical Review	2000 words	30	N	Individual	N
Portfolio	5 minutes presentation and a 6-8 pages conference paper	30	N	Individual	N
Applied Project	3 - 5 minutes video and 1A4 PowerPoint Page	40	N	Individual	N

Teaching Periods

## Autumn (2025)

**Parramatta - Victoria Rd**

**On-site**

**Subject Contact** Ana Hol ([https://directory.westernsydney.edu.au/search/name/Ana Hol/](https://directory.westernsydney.edu.au/search/name/Ana%20Hol/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=INFS3007\\_25-AUT\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=INFS3007_25-AUT_PS_1#subjects))