

# 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 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, in this advanced subject 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 in this subject 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 HECS Band contribution amount 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

**Pre-requisite(s)** INFS 1002 AND COMP 2020

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

**Restrictions** Students must be enrolled in 2801 Bachelor of Information Systems Advanced/Bachelor of Laws; 3688 Bachelor of Information Systems Advanced or 3745 Bachelor of Information Systems Advanced/Bachelor of Business.

## Learning Outcomes

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

1. Review and analyse current and emerging trends in Information System technologies as well as implementation challenges;
2. Analyse requirements and develop plans for IS applications and integration of systems;
3. Examine the roles and suitability of developing business intelligence and data mining strategies for IS applications;
4. Identify issues related to IS in organisations;
5. Examine and evaluate collaborative IS technologies and applications;
6. Develop a set of skills for applying strategies in future career settings;
7. Review, analyse and summarise current literature in selected topic areas in ICT discipline;
8. Identify research gaps and propose research questions;

9. Conduct the research investigation and develop a research output (ie. framework, model, method, system);

## Subject Content

- Current and emerging technologies and implementation challenges;
- Planning for system integration: enterprise resource planning systems, supply chain management systems, customer relationship management systems;
- Factors relating to business intelligence, data and web mining for IS;
- Personalisation of IS applications;
- Transforming organisations through IS: business models, measuring effectiveness and strategies;
- eCollaboration technologies and applications;
- Globalisation of the IS business environment;
- Contemporary issues in IS: legal, ethical, social, regulatory, security;
- Emerging trends in eTransformation and eCollaboration;
- 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.

Item	Length	Percent	Threshold	Individual/Group Task
Critical Review	2000 words	30	N	Individual
Portfolio	15 minutes	30	N	Individual
Applied Project	3-5 min video and 1A4 PowerPoint Page	40	N	Individual

Teaching Periods

## Autumn

### Parramatta - Victoria Rd

#### Day

**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/even/timetable/?subject\\_code=INFS3007\\_22-AUT\\_PS\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFS3007_22-AUT_PS_D#subjects))