



Course Outline (Higher Education)

School:	Federation Business School
Course Title:	DESIGN AND BUILD INFORMATION COMMUNICATION TECHNOLOGY
Course ID:	BUICT1502
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	029999

Description of the Course:

In this course students will engage with the skills and knowledge required to analyse and design websites and to meet technical requirement to work collaboratively in virtual Information and Communications (ICT) team environments to achieve organisational objectives.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks.

Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Learning Outcomes:

Knowledge:

K1. Explain principles of analysis and design

- K2.** Recognise programming control and design structures
- K3.** Identify web programming concepts
- K4.** Describe website design structures, including hierarchy and navigation design
- K5.** Articulate legislation, codes, regulations and standards, and work health and safety requirements for collaborative work arrangements
- K6.** Outline functions and features of team communication strategies

Skills:

- S1.** Analyse complex documentation from a variety of sources and consolidate information
- S2.** Apply systematic and analytical decision-making processes for complex situations and issues
- S3.** Use and investigate new digital technologies and applications
- S4.** Collaborate with others to achieve joint outcomes, play an active role in facilitating group interaction, influence direction and occasionally take a leadership role
- S5.** Develop protocols to share knowledge collaboratively in a virtual environment according to work details and team objectives

Application of knowledge and skills:

- A1.** Build a dynamic website using code according to technical requirements
- A2.** Share knowledge and information according to work details, team objectives, organisational policies and procedures
- A3.** Develop protocols for teams working collaboratively in virtual environments that help achieve team objectives
- A4.** Identify communication tools and technology to support teams working collaboratively in virtual environments

Course Content:

Topics may include:

- Interface design requirements including user needs
- Design principles and operating systems
- Purpose, expectations and functionality of website
- Organisational procedures and web design
- Document website architectural requirements
- Data storage requirements according to website requirements
- Protocols for virtual ways of working, including cyber safety protocol
- Roles and responsibilities of team members according to team communication protocols
- Cyber security protocols in and organisational cyber security procedures

Values:

- V1.** Appreciate the responsibilities of a network administrator to design, maintain and expand enterprise networks, and act in accordance with best practice and industry standards and legislative
- V2.** Appreciate the importance and benefits of business analysis techniques and tools
- V3.** Awareness of Web technology issues, including: privacy, accessibility and intellectual property

Graduate Attributes

The Federation University Federation graduate attributes (GA) are entrenched in the [Higher Education Graduate Attributes Policy](#) (LT1228). FedUni graduates develop these graduate attributes through their engagement in

explicit learning and teaching and assessment tasks that are embedded in all FedUni programs. Graduate attribute attainment typically follows an incremental development process mapped through program progression. **One or more graduate attributes must be evident in the specified learning outcomes and assessment for each FedUni course, and all attributes must be directly assessed in each program**

Graduate attribute and descriptor		Development and acquisition of GAs in the course	
		Learning Outcomes (KSA)	Assessment task (AT#)
GA 1 Thinkers	Our graduates are curious, reflective and critical. Able to analyse the world in a way that generates valued insights, they are change makers seeking and creating new solutions.	K1, K2, K5, K6, S2, S3, A1, A4	AT1, AT2, AT3
GA 2 Innovators	Our graduates have ideas and are able to realise their dreams. They think and act creatively to achieve and inspire positive change.	K1, K2, S1, S2, A1, A4	AT2
GA 3 Citizens	Our graduates engage in socially and culturally appropriate ways to advance individual, community and global well-being. They are socially and environmentally aware, acting ethically, equitably and compassionately.	N/A	N/A
GA 4 Communicators	Our graduates create, exchange, impart and convey information, ideas, and concepts effectively. They are respectful, inclusive and empathetic towards their audience, and express thoughts, feelings and information in ways that help others to understand.	K1, K4, K5, K6, S4, S5, A2, A3, A4	AT1, AT3
GA 5 Leaders	Our graduates display and promote positive behaviours, and aspire to make a difference. They act with integrity, are receptive to alternatives and foster sustainable and resilient practices.	K1, K4, K5, K6, S2, S4, S5, A2, A3, A4	AT1, AT3

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K3, K4, K5, K6, S1, S2, S5, A2, A4	Folio of tasks and activities	Folio	20-30%
K1, K2, K3, K4, S2, S3, S4, A1, A2, A4	Build a dynamic website	Practical task	30-40%
K1, K4, K5, K6, S2, S3, S5, A2, A3, A4	Oral presentation	Presentation	20-30%

Adopted Reference Style:

APA

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)