

Course Outline (Higher Education)

School:	School of Engineering, Information Technology and Physical Sciences
Course Title:	BUSINESS PROCESS ANALYTICS AND CHANGE
Course ID:	ITECH5404
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	(Nil)
Exclusion(s):	Nil
ASCED:	020399

Description of the Course:

This course is concerned with strategic and organisational issues of processes management and the use of Enterprise System to realise efficient and effective business processes. This course provides the fundamental concepts related to process-based management principles and methods in IT enacted change. Students will develop advance comprehension of Is the rationales and importance of Business Processes Management (BPM) for companies in globalised and competitive market. It will illustrate the major strategic approaches' used to comprehend, investigate and implement proficient and compelling business processes. Gap analysis, workflow modelling techniques, process modelling techniques and procedure models will be demonstrated and practised. Moreover, it will also enhance student's awareness about the interrelationship between the IT (ES) functionalities and business process requirements, and enabling role of business processes. The course shall provide the details understanding of the main steps of the business process lifecycles, methods, notations, grammars and tool processes of modelling. This course will develop logical thinking, an appreciation for conceptual models, and the capability to comprehend and counter processes issues related to complex systems like Enterprise Systems.

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

Work Experience:

No work experience: Student is not undertaking work experience in industry.

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 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.** Examine different business process design techniques and implementation methodologies.
- K2.** Debate recent developments in information systems driven business process re-engineering and vice versa.
- K3.** Analyse the current business processes (As Is) and advising on the direction for the improvements in the lights of ES standard business processes (To Be) or in general in order to get both operational and strategic benefits.
- K4.** Investigate inefficiencies and recommending optimal business practices, and system functionality and behavior.
- K5.** Debate the usefulness of automated workflows for monitoring and controlling business processes with reference to contemporary literature and professional practice.

Skills:

- S1.** Evaluate the keys to successful process design and implementation.
- S2.** Analyse and evaluate the effectiveness of requirement analysis for business process change and re-engineering.
- S3.** Investigate and critique various business process improvements methods, techniques and templates.
- S4.** Research emerging trends and future issues facing business process change in a global context.
- S5.** Distinguish the process governance needs and process roles and responsibilities.

Application of knowledge and skills:

- A1.** Communicate professionally to present a coordinated, coherent and independent exposition of knowledge and ideas in dealing with business process re-engineering for IS in general and ES in particular.
- A2.** Analyse and audit an information system implementation that incorporates a business process analysis and change.
- A3.** Utilise analytical tools to model, analyses, comprehend and design business processes.

Course Content:

Topics may include:

- Business Process Re-engineering and Process Modelling;
- Requirement Analysis;
- Gap Analysis;
- Process Mapping;
- Six Sigma Process Management;
- Process and Enterprise Systems, the Rationales and Challenges;

- Value Chain and Critical Path Analysis;
- Principles of Process Design;
- Process Box and Design "To Be" Process in teams;
- Process Documentation, Testing and Roll-out;
- Change Management;
- Process Owner roles and responsibilities.

Values:

- V1.** Appreciate the contribution of management, information technology and information systems to business process modelling, designing, mapping and implementation.
- V2.** Appreciate the strategic importance of business process analysis and change.
- V3.** Appreciate the role of information systems in general and enterprise systems in particular, in supporting the business process analysis and change.
- V4.** Appreciate the importance and benefits of process design and implementation methodologies.

Graduate Attributes

The Federation University FedUni 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, K3, K4, K5 S1, S2, S3, S5	1, 2
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.	K3, K4, S4, A2, A3	1
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.	K2, K5, A1	1
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.	N/A	N/A

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1-5, S1-5, A1, A2 and A3	Test the knowledge and skills in the analysis and practical application of the introduced content. Presentations and/or reports covering a range of taught topics. Self-reflection of the learning process.	Assignment(s)/Presentation(s)/Journal(s)	70%-80%
K1-5, S1, S2, S3, S5, and A2	Review and practice of skills and knowledge.	Examination(s)	20-30%

Adopted Reference Style:

APA

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

Fed Cite - [referencing tool](#)