Course Outline (Higher Education)

School: School of Engineering, Information Technology and Physical Sciences

Course Title: PROFESSIONAL PRACTICE

Course ID: ENGIN2001

Credit Points: 0.00

Prerequisite(s): (ENCOR1005 or ENGIN1001)

Co-requisite(s): Nil

Exclusion(s): (ENCOR3035)

ASCED: 030101

Description of the Course :

As a requirement for the award of the degree of four years engineering undergraduate honours program, students are required to obtain at least twelve weeks of approved professional experience. To obtain the professional practise experience, students can either engage in industry work placements or any equivalent activities that meet the course objectives and learning outcomes. To claim the experience within the program, students should enrol in this zero credit point course for the session immediately after completing their professional experience. Students should refer to the course handbook for further details.

Grade Scheme: S

Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory						
Intermediate			✔			
Advanced						

Learning Outcomes:

On successful completion of the course the students are expected to be able to:

Knowledge:

K1. Observe the dynamics of an engineering workplace.
K2. Describe how engineering teams are built and interact.
K3. Identify the issues which underline the engineering profession.
K4. Define and monitor how engineering projects develop.

Skills:

S1. Function as a member of a professional engineering team.
S2. Manage available time to achieve workplace assignments.
S3. Utilise resources available in an engineering workplace.

Application of knowledge and skills:

A1. Interpret the role of the engineer in industry and evaluate available career paths and opportunities.
A2. Report on progress and seek feedback.

Course Content:

Within this course there will be no time tabled course content as it aims to facilitate the professional development of a student engineer by achieving the following objectives:

Topics may include:

- Expose students to industrial/technical environment in order to appreciate the various activities associated with engineering in industry

- Allow the student to observe and undertake tasks in practical aspects of investigation, design and construction of engineering works that correlates to theoretical studies

- Instill confidence in the student to take up positions that require responsibility, motivation, decision making and communication with other people in the market place.
- The course handbook provides the details regarding procedures and guidelines.

Values:

V1. Recognise the diversity of factors influencing engineering projects.
V2. Appreciate various responsibilities associated with the engineering profession.
V3. Appreciate the role the engineer plays in industry.
V4. Appreciate learning as a lifelong process.

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)	**Code** A. Direct B. Indirect N/A Not addressed	**Assessment task (AT#)**	**Code** A. Certain B. Likely C. Possible N/A Not likely
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 - K4	A	1	A
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 - K4, S1 - S3	B	1	B
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.	A1 - A2	A	1	B
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.	S1 - S3, A1 - A2	A	1	A
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.	S1 - S3, A1 - A2	N/A	1	N/A

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1 - K4, S1 - S3, A1 - A2	Once work experience is completed, a reflective portfolio of evidence will be presented and once approved it will be given an ungraded pass. In addition to the reflective portfolio, a letter from the employer will be provided that details the duties undertaken and the period employed. Refer to the course`s handbook for details.	Reflective portfolio & employer letter	100%

Adopted Reference Style:

Other (Refer to the library website for more information: IEEE)