Module: Innovation and Leadership 202

Module name:	Innovation and Leadership 202
Code:	INL202
NQF level:	6
Type:	Core – Bachelor of Information Technology Core – Bachelor of Computing (all streams) Core – Diploma in Information Technology (all streams)
Contact time:	16
Structured time:	20
Self-directed time:	14
Notional hours:	50
Credits:	5
Prerequisites:	Innovation and Leadership 102

Purpose

This module prepares the student to act as a specialist or consultant for a specific body of knowledge, i.e. an individual who analyses and understands the requirements and objectives of the individual or group soliciting advice. The consultant must exploit their own knowledge and experience to advise on decisions, preferred courses of action and guidelines for achieving optimal results, while issuing clear warnings on any dangers or potential problems identified. Consultants must take responsibility for any input provided, or failed to provide, to their clients.

Outcomes

Upon successful completion this module, the student will be able to demonstrate:

- Detailed knowledge of the central areas of one or more bodies of knowledge, including an understanding of and the ability to apply and evaluate key terms, concepts, facts, principles, rules and theories of that field; and detailed knowledge of an area or areas or specialisation and how that knowledge relates to other fields.
- An understanding of different forms of knowledge, schools of thought and forms of explanation within an area, and awareness of knowledge production processes.
- The ability to evaluate, select and apply appropriate procedures or techniques in application processes within the context of developing an innovative solution.
- The ability to identify, analyse and solve problems in the unfamiliar context of the innovative product being created, gathering evidence and applying solutions based on evidence and procedures appropriate to the field.
- An understanding of the ethical implications of decisions and actions in the role of specialist or consultant, based on an awareness of the complexity of ethical dilemmas.
- The ability to present and communicate complex information reliably and coherently using appropriate conventions, formats and technologies for communicating with the team or individual soliciting advice or input.
- The ability to evaluate performance against given criteria and to provide support to the learning needs of the team members soliciting advice where appropriate.
- The ability to work effectively in and with a team, and to take responsibility for their decisions and actions and those of the members being advised.

Assessment

Assessment is performed using a variety of instruments:

- Attendance of formal instruction sessions;
- Participation in moderated and unmoderated discussions and work sessions, evaluated by moderators, team leaders and/or peer reviews;
- Advising on the synthesis or project products, such as prototypes and milestone outputs.
- Your class mark contributes 30% towards your final mark for the subject, while the final assessment accounts for 70% of your final mark.

Teaching and Learning

Learning materials

Presentation notes and hand-outs from direct instruction and feedback sessions

Learning activities

This module is completed over the course of one semester. Four iterations of the following learning activities will occur during this time:

Week 1: Direct instruction.
Week 2: On-campus work and peer interaction.
Week 3: Feedback and guidance.
Week 4: On-campus work and peer interaction.

During direct instruction students attend lectures on topics appropriate to this module, including:

- The responsibilities of a consultant,
- Effective knowledge transfer,
- Cognitive and perceptual modality preferences and how to present information effectively to individuals with different preferences.

On-campus work and peer interaction requires students to meet in a structured environment to conduct their learning experiences with regard to solution ideation and proposal creation. This includes activities such as:

- Provide specialist knowledge to different teams and individuals,
- Guide a team towards the achievement of team goals in an optimal manner,
- Identify potential problem areas early to team members, team leaders and/or project managers, as appropriate.

Feedback and guidance is provided during contact sessions with academic staff. These sessions may include moderated discussions and formal presentations as dictated by the needs identified during formative assessment.

Notional learning hours

Activity	Units	Contact Time	Structured Time	Self-Directed Time
Lecture		8.0		
Formative feedback	4	8.0		
Project & peer	1		16.0	

interaction
Solution ideation	1		5.0
Proposal presentation	1	4.0	9.0
Exam			
	16.0	**20.0**	**14.0**