

APPROVED

EN6990: Engineering Practice

Course Details

Course Code:	EN6990
Course Title:	Engineering Practice APPROVED
Short Title:	
Course Level::	Level 6
Valid From::	2018/2019 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	This course aims to provide students with a range of practical skills and an understanding of engineering principles required to machine or fabricate engineering components. Exposure to these workshop skills will give the student an understanding and an underpinning knowledge on which to base future engineering design considerations or decisions.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate detailed knowledge and understanding of workshop safety including the identification and management of workshop hazards.
2	Produce simple engineering reports in a well-structure manner.
3	Interpret basic engineering drawings and use appropriate measuring equipment to manufacture components to a specified tolerance.
4	Demonstrate detailed knowledge and understanding of manufacturing processes, materials and terminology.
5	Manufacture basic engineering components using: • Hand tools • Hand Power tools • Power machines (radial drills bench presses etc...) • Lathes • Milling machines • Engravers • CNC machines • MMAW (Manual metal arc welding) • GMAW (Gas metal arc welding) • GTAW (Gas Tungsten arc welding) • Hard soldering/brazing/soft soldering
Requisites	
No requisites	

No Examinations
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Practical Project
Assessment Type Reflection
Assessment Type Practical Project

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT7060	Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme