

APPROVED

EN7917: Fluid Mechanics

Course Details

Course Code:	EN7917
Course Title:	Fluid Mechanics APPROVED
Short Title:	Fluids
Course Level::	Level 7
Valid From::	2021/2022 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To provide students with the advanced knowledge of, and practical skills in, fluid mechanics; including fluid statics, fluid dynamics, flow measurement, hydraulic and pneumatic systems.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate advanced knowledge of static fluid concepts.
2	Apply the Bernoulli Equation and the associated energy equations to solve advanced fluid momentum transfer problems.
3	Use specialist level skill to specify suitable pumps, fans and compressors for industrial use.
4	Demonstrate advanced knowledge of the operation of hydraulic and pneumatic systems and associated equipment.
5	Propose solutions to advanced hydraulic and pneumatic applications.
Requisites	
• Pre Requisite: EN6907 or ENB5907 or DE6011 • Anti Requisite: ENB5109 or ENB6911	

Examinations
Assessment Type Examination (Unseen)
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Blended Learning
Assessment Type Practical Project

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT6020	Diploma in Engineering Technology (Mechanical)	2	Programme
ENT6050	Diploma in Engineering Technology (Electromechanical)	1	Programme
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT7070	Associate Degree in Engineering Technology (Chemical and Process Engineering)	1	Programme
ENT8020	Bachelor of Engineering Technology (Mechanical)	3	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme
ENT8070	Bachelor of Engineering Technology (Chemical and Industrial Processes Engineering)	1	Programme
No Code Yet	Diploma in Engineering Technology (	1	Programme