

APPROVED

EN8918: Applied and Process Heat Transfer

Course Details

Course Code:	EN8918
Course Title:	Applied and Process Heat Transfer APPROVED
Short Title:	A&P Heat Transfer
Course Level::	Level 8
Valid From::	2018/2019 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To equip students with specialized knowledge and practical experience in heat transfer engineering for Industrial applications.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Integrate specialist theories, principles and concepts of the modes of heat transfer to critically analyze and evaluate heat transfer in mixed mode situations in practical project settings
2	Apply creative analytical design skills to enhance the rate of heat transfer in complex applications for industrial use.
3	Apply industry standard heat transfer techniques to solve complex industrial heat exchanger problems.
4	Apply standard investigative methods and design procedure for the thermal analysis of heat exchangers in power plants.
Requisites	
<ul style="list-style-type: none"> • Pre Requisite: EN7919 • Anti Requisite: EN7918 	

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

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
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