EN8918  Applied and Process Heat Transfer

Course Aim: To equip students with specialized knowledge and practical experience in heat transfer engineering for Industrial applications.

Short Title: A&P Heat Transfer
Faculty: EDICT
Polytechnic Level: 18
Credits: 15
Pre-requisites: EN7919
Co-requisites: None
Anti-requisites: EN7918

Version: 1
Effective From: February 1, 2018
NQF Level: 8
Student Contact hrs: 60
Self-directed hrs: 90
Other directed hrs: 0
Total learning hrs: 150

Learning Outcomes:

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.


NQF Sub-strand:

Theoretical Understanding

Practical Application of knowledge

Generic, Problem Solving and Analytical Skills

Practical Application of knowledge