EN6230

Instrumentation and Control



Course Aim The aim of this course is to provide an intermediate knowledge of the concepts used in Instrumentation and Control for engineers.

Short Title None
Faculty EDICT
Polytechnic Level 5
Credits 15
Pre-requisites ENB5010, ENB5914
Co-requisites None
Anti-requisites None

Version 2.00
Effective From 1.2.2016
Indicative NQF Level 6
Student Contact hrs 60
Self-directed hrs 90
Other directed hrs None
Total learning hrs 150

| Learning Outcomes | • | NQF Sub-strand Theoretical Understanding |
|----------------------|--|--|
| | 2 Apply detailed analysis of first and second-order dynamical systems. | Practical Application of knowledge |
| | 3 Apply basic instrumentation and control strategies to a feedback control system to satisfy advanced level tasks. | Practical Application of knowledge |
| | 4 Apply basic tuning methods for finding suitable PID controller parameters for a defined control design problem. | Practical Application of knowledge |