

EN8921

## Project Management, Quality and Reliability



**Course Aim** Develop project management processes and expand on all areas of knowledge in internationally recognized project management standards.  
Develop analytical and management tools necessary to solve quality and reliability engineering problems and implement effective quality and reliability systems

**Short Title** PMQ and RE  
**Faculty** EDICT

**Credits** 15  
**Pre-requisites** EN6904, EN6902, EN7917, EN7919, EN6107, EN6908  
**Co-requisites** None  
**Anti-requisites** EN7921

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

**Learning Outcomes** On successful completion of this course, students will be able to:

- 1 Formally initiate a project and develop project management plans, applying an international project management standard.
- 2 Execute, monitor and control project work and formally close a project, expanding on all knowledge areas of an international standard.
- 3 Critically analyze and solve complex engineering problems using quality control techniques (e.g. 6sigma, TQM, ISO) and reliability engineering .

**NQF Sub-strand**

Practical  
Application of  
knowledge

Practical  
Application of  
knowledge

Practical  
Application of  
knowledge