



# CAD Parametric Modelling with Solidworks

## Aims

The use of computer aided design (CAD) systems in industry has become an essential part of the modern working environment. It is used at all stages of the design period, from conceptualisation and production of working drawings to the production of virtual reality images. This unit aims to further candidates understanding of the CAD Parametric Modelling environment.

## Entry Requirement

Although there are no formal entry requirements, participants are expected to have a basic knowledge of computers and computing skills. This course is suitable for learners that wish to develop skills and knowledge in the CAD environment.

## Content

Upon completion of this course the learner will be able to:

1. Use complex sketching and 2D constraints to create features
2. Create and edit work features and use complex feature commands
3. Create and modify simple table driven parts and assemblies
4. Use motion and driven assembly constraints
5. Add additional information to a drawing layout to aid the interpretation of design intent
6. Create presentation quality displays of parts and assemblies

## Examinations

Assessments will be carried out through a mixture of practical assignments and written knowledge tests

**Award:**An LIT Certificate of Completion will be issued to eligible participants

**Department:**Mechanical & Automobile Engineering

**Campus:**LIT Moylish

**Level:**NA

**Duration:**30 Weeks

30 Weeks, 3 hours per week

Tuesday from 7.00pm to 10.00pm

Commencing Tuesday 24th September 2019

**Course Location:**Moylish Campus, Limerick

**Application Deadline:**13th September 2019

## Entry Requirements:

Although there are no formal entry requirements, participants are expected to have a basic knowledge of computers and computing skills. This course is suitable for learners that wish to

develop skills and knowledge in the CAD environment.

Weeks

**Course Fees:**

€600

**Contact:**

**Further Information**

Contact: Department of Flexible Learning

Tel: 061 293802

Email: [Flexible@lit.ie](mailto:Flexible@lit.ie)

**For Academic Related Queries**

Contact: Tony Mahon

Email: [tony.mahon@lit.ie](mailto:tony.mahon@lit.ie)