QUINEBAUG VALLEY COMMUNITY COLLEGE

COURSE RECORD

CAD* 220 Parametric Design (SolidWorks)

Dept. & Course No.	Course Name	No. of Credits	No. of Contact Hrs.	Date of Approval
CAD* 220	Parametric Design (SolidWorks)	3		4/1/2013

Prerequisite: None

CHANGES IN PREREQUISITES   **Date of Change:**

Catalog Description

Introduction to computer-based design using SolidWorks parametric 3D CAD software. The course focuses on parametric modeling and topics include: design intent and process, sketching techniques, model development techniques, process-specific modeling, design changes, editing models, patterning and assembly techniques.

CHANGES IN CATALOG DESCRIPTION   **Date of Change:**

Course Content Objectives – CAD* 220

The student will:

- Demonstrate an understanding of parametric relationships between dimensions
- Demonstrate an understanding of converting a two-dimensional drawing into its three-dimensional solid model
- Use SolidWorks parametric software to design and create three-dimensional renditions of a component
- Use SolidWorks parametric software to design and create three-dimensional renditions of an assembly (multi-component systems)

CHANGES IN CONTENT OBJECTIVES   **Date of Change:**