



## Course Outline CADWorx® 2014 Production Modeling

This course is written for both beginners and advanced CADWorx users. It is designed to take them through all the new features in CADWorx Plant 2014. The lessons emphasize speed techniques, such as right clicking to place components off a list, or using the “connect” feature in the new version. Upon completion the students will understand how to best utilize the features and benefits of this new version of CADWorx Plant Professional software.

### Video i - Getting Setup

The CADWorx environment

### Video ii - Setting up Isogen

Project Manager and folders

### Video iii - Using Video Training

Maximizing the videos

### Lesson One Page 1

Selecting the Project  
Setting the size and spec  
Starting the drawing  
Working with Piping Rules  
Placing components  
Understanding connectivity  
Discontinuity View  
Change Size command  
Change Spec command  
Setting the valve operators  
Line Number setup  
Discussion on Model Space  
Dimensioning in Paper Space  
Line number annotation  
Fitting annotation  
Bill of Materials setup  
Running different BOMs  
Center of Gravity

### Lesson Two Page 34

Isogen Isometrics

### Lesson Three Page 36

The new Router  
Elevations, slopes, rolled  
offsets  
The Assembly Manager  
The Support Modeler  
Isoqen – checking results

### Lesson Four Page 48

Modeling techniques  
The Connect option  
+ Grips for speed techniques  
Right click speed modeling  
Change Size command  
Isogen default configuration  
Isogen Stop Signs  
Isogen Field Fit welds

### Piping Lab One

### Lesson Five Page 63

Using the CADWorx Router  
Changing Elevations  
The Reference Option  
Routing down a pipe rack  
Modifying the model

### Lesson Six Page 74

Piping Rules reviewed  
Using External References  
3D routing techniques  
Using the Connect option  
The Line View command  
Discontinuity View  
Clipped 3D views (View Box  
command)  
Paper Space viewports  
Dimensioning and Annotating

