

Online Resources, Inc. - Surfcam Training Class Information

Online Resources would like to thank you for choosing **Surfcam** as your CAD/CAM system. We offer four training classes each month designed to get you up to speed quickly.

The **Two-Axis Contouring** class teaches the fundamentals of geometry and toolpath creation, and is recommended for all new users.

The **Three-Axis Surfacing** class explores the construction of 3-dimensional surfaces and the techniques required to machine them.

The **Four and Five-Axis Features** class provides a look at the enhanced 4 and 5-axis features that are available in Surfcam.

The **Two Axis Lathe** class provides a fundamental look at the lathe features that are available in Surfcam.

All classes are held at our training facility in Lebanon, IN.

Two-Axis Contouring (two day class)	Three-Axis Surfacing (two day class)	4 and 5-Axis Features (one day class)	Two-Axis Lathe (one day class)
<p style="text-align: center;">Course Contents</p> <ul style="list-style-type: none"> • Overview of Surfcam menus • Part File Management • Using View and CView • Layers and Masking • 2-D Geometry Creation • Pocketing and Contouring • Hole Operations • Operations Manager - Arranging tool path files, tool path modification, and regeneration. • Part Verification • Part Transformation - Mirror, Offset, Rotate, Scale, etc. • Creating an NC program • Using the NC editor - Reviewing and editing your part program 	<p style="text-align: center;">Course Contents</p> <ul style="list-style-type: none"> • Surface Construction - Creating cross section, extruded, revolved, drive curve, offset and blended 3-D surfaces. • Surface Filleting - Building constant, rolling ball, and variable radius fillets. • Surface machining strategies - In-depth discussion of TrueMill, Z Rough, Cut, Planar, Z Finish, Steep\Shallow, and 3D Offset machining. • Tool Containment using boundaries, patches, and check surfaces. • Surface Alteration— Modifying existing surfaces to facilitate machining. • Importing and exporting surface models in formats other than native Surfcam SCPRT. 	<p style="text-align: center;">Course Contents</p> <ul style="list-style-type: none"> • Multi-Axis Theory • Part Setup • Part Positioning Using Cview • 4 and 5 Axis Drilling • 4 and 5 Axis Cut • 4 and 5 Axis Trim • 4 and 5 Axis Project • 4 and 5 Axis Contour • 4 and 5 Axis Swarf • Options 	<p style="text-align: center;">Course Contents</p> <ul style="list-style-type: none"> • Overview of Surfcam turning menus • Part File Management • Using View and CView for Lathe • Basic O.D. turning overview • Basic I.D. turning overview • Basic grooving overview • Basic facing and face off overview • Basic threading overview • Calculating custom tool mount angles • Creating a useful 2D cross section from 3D part geometry

SURFCAM Training Dates for 2015
Training Location - Online Resources, Inc.
 941 Monument Drive, Lebanon, IN 46052

Month	Days	Class Description
Dec. '14	2-3	SURFCAM 2-Axis Mill, Lathe & EDM
Dec. '14	4	SURFCAM Lathe
Dec. '14	16-17	SURFCAM 3-Axis Functionality
Dec. '14	18	SURFCAM 4 and 5-Axis Features
January	6-7	SURFCAM 2-Axis Mill, Lathe & EDM
January	8	SURFCAM Lathe
January	20-21	SURFCAM 3-Axis Functionality
January	22	SURFCAM 4 and 5-Axis Features
February	3-4	SURFCAM 2-Axis Mill, Lathe & EDM
February	5	SURFCAM Lathe
February	17-18	SURFCAM 3-Axis Functionality
February	19	SURFCAM 4 and 5-Axis Features
March	3-4	SURFCAM 2-Axis Mill, Lathe & EDM
March	5	SURFCAM Lathe
March	17-18	SURFCAM 3-Axis Functionality
March	19	SURFCAM 4 and 5-Axis Features
April	7-8	SURFCAM 2-Axis Mill, Lathe & EDM
April	9	SURFCAM Lathe
April	21-22	SURFCAM 3-Axis Functionality
April	23	SURFCAM 4 and 5-Axis Features
May	5-6	SURFCAM 2-Axis Mill, Lathe & EDM
May	7	SURFCAM Lathe
May	19-20	SURFCAM 3-Axis Functionality
May	21	SURFCAM 4 and 5-Axis Features
June	2-3	SURFCAM 2-Axis Mill, Lathe & EDM
June	4	SURFCAM Lathe
June	16-17	SURFCAM 3-Axis Functionality
June	18	SURFCAM 4 and 5-Axis Features
July	7-8	SURFCAM 2-Axis Mill, Lathe & EDM
July	9	SURFCAM Lathe

July	21-22	SURFCAM 3-Axis Functionality
July	23	SURFCAM 4 and 5-Axis Features
August	4-5	SURFCAM 2-Axis Mill, Lathe & EDM
August	6	SURFCAM Lathe
August	18-19	SURFCAM 3-Axis Functionality
August	20	SURFCAM 4 and 5-Axis Features
September	8-9	SURFCAM 2-Axis Mill, Lathe & EDM
September	10	SURFCAM Lathe
September	22-23	SURFCAM 3-Axis Functionality
September	24	SURFCAM 4 and 5-Axis Features
October	6-7	SURFCAM 2-Axis Mill, Lathe & EDM
October	8	SURFCAM Lathe
October	20-21	SURFCAM 3-Axis Functionality
October	22	SURFCAM 4 and 5-Axis Features
November	3-4	SURFCAM 2-Axis Mill, Lathe & EDM
November	5	SURFCAM Lathe
November	17-18	SURFCAM 3-Axis Functionality
November	19	SURFCAM 4 and 5-Axis Features
December	1-2	SURFCAM 2-Axis Mill, Lathe & EDM
December	3	SURFCAM Lathe
December	15-16	SURFCAM 3-Axis Functionality
December	17	SURFCAM 4 and 5-Axis Features

**For class availability please send an email
 to: larryc@onlineresourcesinc.com
 or call 765-482-9700 X304.**

Registration Form

Surfcam Training Classes at Online Resources Training Center

Name(s) of Student(s):

Enter number of students and total below:

2X Contour _____ @ \$500.00 per student = _____

3X Surface _____ @ \$500.00 per student = _____

4X-5X Class: _____ @ \$300.00 per student = _____

Lathe Class: _____ @ \$300.00 per student = _____

Total amount of purchase order: \$ _____

Purchase Order Number: _____

Your Company Name: _____

Your Name: _____

Your E-mail (for class confirmation): _____

Telephone: _____

Please Enter Class Date(s) Requested (✓ appropriate box(es))

- 2 Axis Contour _____
- 3 Axis Surfacing _____
- 4 and 5 Axis Features _____
- Lathe Class _____

Please fax the completed form to 765-482-9711

Classes are by registration only, so do not delay. Maximum of five students per class.

Classes run from 9:00AM – 4:00PM

All classes will be at our training facility in our Lebanon, IN offices.