**Introduction to Solid Modeling/Rapid Prototyping – week 1**

**Note – Students are required to take both weeks of this course**

*Continuing Education Tuition for both weeks is a total of $500*

In this two-week course students will learn basic concepts and skills related to solid modeling using the Dassault Systemes SolidWorks 3D CAD software. Concepts covered will include an introduction to 3D, basic sketching, basic parts, basic assemblies, and working drawings. With these concepts the student will then create digital models of firearm accessories that will be fabricated using 3D printing, a popular rapid prototyping technology.

Prerequisite: No computer aided design skill is necessary to register and succeed in this course. However, students registering for this course must be experienced operating Windows based operating system and must be able to complete the following tasks: create new folders, open, close, copy, and rename files; and navigate within a network to find files on network hard drives.

**Buddy Bishop** holds a landscape architecture degree from Texas Tech University and an engineering degree from the University of Georgia. Additionally, he has completed solid modeling and product marketing projects in the firearms industry including quick detach rifle scope rings and mounts, folding peep sight, reproduction Rigby style peep sights, and ramp sights. While attending San Diego State University, he spent two years learning the SolidWorks platform and one year working as a teaching assistant for the solid modeling classes at SDSU.

*Buddy Bishop*

**Required Tools**

6” Digital or Dial Caliper or equivalent measuring device capable of measuring in both standard and metric systems.