

Clatsop Community College
Historic Preservation Program
Winter 2014

BLD 135: Blacksmithing I

Friday 21 February, 5:00pm-7:00pm
Saturday-Sunday 22-23 February, 9:00am-3:00pm

BLD 235: Blacksmithing II

Friday 28 February, 5:00pm-7:00pm
Saturday-Sunday 1-2 March, 9:00am-3:00pm

Instructor: David Curl

Location: Friday: Art Building, CCC Main Campus, Astoria OR
 Saturday-Sunday: The Solstice Forge Blacksmith Shop, Naselle WA

Throughout history blacksmiths were held in high regard. They not only provided tools for all trades, they also provided armor and weapons for warfare. And they kept the horses shod. Then came the industrial revolution, and all of that changed.

What you may expect from this class is some history of craftsmanship and how that has changed in modern times. We will be discussing how blacksmithing works with the historic preservation trends of today.

Safety is of utmost importance in any shop, so I ask that everyone wear cotton or wool clothing (preferably long sleeves) and a good stout boot or shoe. If you have eye protection, ear protection and leather gloves, please bring them with you. If not, you will be provided with some.

In the beginning class you will learn the few fundamental techniques that are written in stone that one must master to be a successful smith. In the intermediate class we will use these techniques and more to create more involved works. You will take what you make home with you.

I look forward to working with you. Please come prepared to have fun and learn!!!

Directions

The solstice forge is located at mile marker 7 on Washington Hwy 4 in Naselle, WA. From Astoria cross the Megler Bridge to Washington and make a right. Go approximately 12 miles to the tee junction with Hwy 4 and make a right. Go approximately 2 miles and keep your eyes open for mile marker 7. Slow down when you see the mile marker and make a left on Elk Ridge lane. Stay immediately to the left and come up the hill to the shop.

The shop phone is (360) 484-7783

Bring lunch.

Course Learning outcomes

After completing this course, a student will be able to:

Describe the historic and modern uses of blacksmithing

Practice safe work habits

Use appropriate tools, materials and techniques of blacksmithing

Demonstrate the fundamental skills and techniques of blacksmithing

Course Outline

Blacksmithing I

Overview of blacksmithing

Brief history of blacksmithing in Victorian and Craftsman architecture

Safety considerations

The forge

Hammer and anvil

Fundamental techniques

Lighting and caring for the forge

Tapering a piece/bringing to a point

Drawing out a piece

Maintaining the thickness of a drawn out piece

Squaring a piece

Taking a piece from square to round

Making twists

Forge welding

Bending and curving a piece

Designing and creating a simple object

Blacksmithing II

Blacksmithing in preservation

Review of fundamental techniques

More advanced techniques

Using punches and chisels to make motifs

Putting a doggle in a piece

Drifting a hole

Riveting

Designing and creating a more advanced object