

FORGING A MUZZEL LOADING GUN BARREL

**3 DAYS - April 16, 17 & 18 or
September 11, 12 & 13**
3 STUDENTS TUITION - \$750

This course presents an opportunity to observe and participate in the historic method of forging a gun barrel. Students will experience the use of wrought iron and mild steel to learn the properties of both metals. Different methods of welding will be demonstrated (i.e. flat scelp with a long seam and spiral welding) The decorative effect of a twisted long seam will be shown as well. Combination materials of high-carbon steel and low-carbon wrought iron that result in decorative patterns will be discussed and demonstrated. Suggested prerequisite is "Forge Welding" – June 5 & 6.

FORGING GUN LOCK PARTS

3 DAYS - August 6, 7 & 8
3 STUDENTS TUITION - \$450

The superiority of forged parts vs castings is well known, however, the availability is exceedingly limited. This course is designed to take the mystery out of how lock parts were forged. We will demonstrate how a flint cock, frizzen, and percussion hammer is made. The use of wrought iron or mild steel will be discussed in-depth. Spring making and choice of materials will also be covered. Forging, finishing, and heat-treating or tempering will be shown. The making of replacement parts, lock geometry or the inter-relationship of parts will be discussed and demonstrated. Students are encouraged to bring a project or a concept as well. Applications of this course could be any historical mechanism such as clock-works, door locks, etc. Some research facilities and a study collection may be available.

BLACKSMITHING FOR AN ARTIST

5 DAYS - August 16–20
6 STUDENTS TUITION - \$850

This course has been designed with the established artist, art student or art instructor in mind. A series of lectures and demonstrations and assisted do-it-yourself sessions give the student some useful knowledge of the movement and behaviour of metals. Students may bring the concept of a project in mind to the course with previous consultation to ensure availability of material. Examples of this idea are sculpture or tools to work other mediums.

PRESERVATION OF HISTORIC IRON

2 DAYS + 1 OPTIONAL
September 15, 16 & 17
TUITION - 2 DAYS \$450 3 DAYS \$650

12 STUDENTS (for Days 1 & 2)
6 STUDENTS (Day 3)

For the two-day lecture presentation portion 12 students can be accommodated. For the one-day option only 6 students can be accommodated because of limited shop facilities. For day three students will be accepted on a first-come-first-served basis.

INSTRUCTORS:
CRAIG SIMMS, LLOYD JOHNSTON

This course is designed to acquaint architects, architectural historians, collectors of iron, museum curators and blacksmiths with various physical and metallurgical properties of this historic medium. Problems and solutions of restoration or conservation will be discussed. Historical methods of working iron will be presented and tried by students. We will be studying both cast iron and forged iron and combinations of the two.

Lloyd Johnston School of Blacksmithing

This institution is a unique opportunity to learn something of the art and mysteries of a more than 4000-year-old craft.

A number of courses of different length and content are being offered to accommodate different levels of interest and skill.

Longer courses will include field trips to other shops, studios and metal art installations, the creations of past masters.

Students will be exposed to traditional blacksmithing in a new studio environment. You are encouraged to take notes and photos for future reference.

The school facility has some features of a modern preservation laboratory and some of an eighteenth century blacksmith shop.

The school is located in South Central Ontario about 60 miles north of Toronto in picturesque Victoria County.

Guest instructors may vary from one season to another as all are professionals, mostly in private practice and their availability depends on personal commitments and workload.

The Director and senior instructor, Lloyd Johnston, has been a professional blacksmith for close to 40 years. Lloyd has been an instructor of blacksmithing in both private and public institutions in Canada and the United States for more than 25 years. Lloyd was a founder of the Ontario Artist Blacksmith Association.

**For registration or additional
information call
(705) 426-5396**

Lloyd Johnston School of Blacksmithing

2010 Courses



BASIC BLACKSMITHING

TIME - 2 DAYS

(May 15 & 16 or May 29 & 30)

6 STUDENTS TUITION : \$450

This is a course designed for people who have little or no exposure to the craft. Students will be introduced to traditional metal forging techniques—drawing out, upsetting and forge welding. Lecture, demonstrations and hands-on experience at coal fired forges will give students an introduction to the art and mystery of blacksmithing. Small projects that students take home will demonstrate the skill developed in this short period of time.

BLACKSMITHING AS A HOBBY

5 DAYS - August 9 -13

6 STUDENTS TUITION: \$785

The material in this course has been prepared to get people into an enjoyable hobby of blacksmithing. Throughout the week students will be exposed to a series of demonstrations of the building blocks of blacksmithing - drawing out, upsetting and forge welding. Students will learn the basics of this fascinating craft through hands-on experience at short projects. By weeks end students will take home a unique set of forge tools they made themselves— poker, rake, shovel and slice . If time permits other projects will be included.

FORGE WELDING

2 DAYS - June 5 & 6

6 STUDENTS TUITION - \$485

Forge welding is a basic blacksmithing process that sometimes gives people difficulty. This course has been designed to take the mystery out of forge welding and allow you to extend your repertoire as a blacksmith. Two days of intense study and practice on a variety of forge welds and materials is certain to be a satisfying experience.

10 WEEKS TO PROFESSIONAL BLACKSMITHING

DATES: September 27 - December 3

3 STUDENTS TUITION - \$4885

The time and proportional layout of this course will enable a person who has had some previous exposure to blacksmithing to gain knowledge and skills to become a professional smith. Students will have a chance to develop concepts and processes that shorter time courses do not permit. The continuity in a longer time period is important to raise skill levels and achieve more success in the hands-on situations. The longer time period gives the student the opportunity to make more tools jigs and fixtures, that will be useful later in their own shop.

HISTORIC TOOL MAKING

5 DAYS - June 14 - 18

6 STUDENTS TUITION - \$685

This is a course where students should have some blacksmithing experience. Students will have the opportunity to make blacksmithing/metal working tools, woodworking tools, stone carving tools, etc. Consultation must take place prior to beginning of course to ensure the material is available and the facilities can accommodate the projects of your choice.

SAND CASTING OF NON FERROUS METALS

5 DAYS - June 28-July 2

6 STUDENTS TUITION - \$685

This course has been designed to give students an opportunity to explore the fascinating medium of cast metals. We will be able to combine forged objects with castings to achieve an interesting mix of two methods of working metal.

FORGING A GARDEN GATE

5 DAYS - July 5 - 9

6 STUDENTS TUITION - \$1250

In this course students will each leave with a gate that they will have had a large part in both design and construction. Students will make use of traditional forging and joinery techniques (mortice & tenon)—drawing out, upsetting, welding, collaring, and riveting. We will discuss methods of structural integrity. For site-specific needs consultation prior to the beginning of the course is required.

HISTORIC LIGHTING & FIRE MAKING DEVICES

5 DAYS - July 12 - 16

6 STUDENTS TUITION - \$585

This course will be a series of lectures, demonstrations and hands-on sessions. Some forging experience would be an asset though not a prerequisite. In this time frame we will be primarily dealing with 18th and 19th Century North American and European devices. The course will cover techniques used in making forged iron candlesticks, rush lights, the French-Canadian crows-beak grease lamp, and other candle holders and fire starting devices such as strike-a-lights, sulphur matches and tinder. Throughout the week ample time will be devoted for students to do several different projects.

FORGING HISTORIC AXES AND EDGE TOOLS

3 DAYS - April 7, 8 & 9

4 STUDENTS TUITION - \$485

This is a course designed for those interested in historic axes and edge tools. We will be forging a pipe-tomahawk of the welded-bowl type. This was the type presented to Native American people by the British government during the War of 1812-14 and earlier. An antique pipe axe will be available for study as well as other historic edge tools made in France, England and Canada for the fur trade and house or barn construction. Edge tools by Lount, Sheppard, Shaw, Armstrong, and other Upper Canada makers will be available for study as well.

BLACKSMITHING FOR THE HISTORIC SITE INTEPRETER

2 DAYS - May 3 & 4

6 STUDENTS TUITION - \$485

This is a course designed to assist and upgrade historic site interpreters. By exposure to a series of lectures and demonstrations students will gain a better understanding of the historic craft of blacksmithing. Students can participate in making nails and other fasteners, kitchen gadgetry, lighting devices and other metal objects staff or visitors would encounter at an historic site. Students will be exposed to the basic processes of drawing out, upsetting, and welding with particular attention to safe practices while demonstrating to the public. The use and care of a bellows as well as other manually operated air systems for a coal fire will be taught. Students are encouraged to bring concepts or projects that have presented on-site difficulties. Ideas that may be proto-types for gift shop sales are also welcomed