

# LEARNING TRADE SECRETS WORKSHOPS

## Bow Rehairing & Maintenance Workshop

October 20-25, 2019

Suggested Enrollment Cap: 15

### COURSE INFORMATION

**Course Description:** Students interested in learning how to rehair and maintain bows for stringed instruments will find this hands on course very thorough and challenging. This course is for those with little to no tool skills. By the end of the week, students will have learned how to handle a knife, chisel and other tools of the trade along with a consistent method for rehairing bows. Demonstrations will show students other maintenance techniques useful for employment in the industry.

**Course Objective:** The student will learn how to properly prepare and rehair a violin bow by first disassembling the bow and then polishing parts, cutting plugs and installing hair. The student will be encouraged to rehair three bows during the week and more time permitting.

**Course Topics:** Course topics will include preparing bows of varying materials, including carbon fiber, wood and fiberglass; and how different types of hair affect sound production. Also discussions on gauging the proper amount of hair, pleasing clients, and how camber and straightening affect a rehair. There also will be additional demonstrations on replacing wraps and thumbgrips. All questions will be answered.

### RESOURCES AND SUPPLEMENTARY MATERIALS

**Materials:** A photo essay is provided to each student as a visual reference for assistance during the workshop. Additional written materials are available for the student's purposes only and are not for resale.

**Tools:** Tools are expensive and take knowledge to prepare and maintain. Students are encouraged to bring their own, however a tool box is provided with tools ready for use during the week. All tools must be returned prior to leaving the workshop.

### INSTRUCTOR INFORMATION

**Instructor Rodney D. Mohr** and **Assistant Instructor Katherine Mohr**, are happy to answer any questions after the workshop. Please contact Rodney at [Rodney@RodneyMohr.com](mailto:Rodney@RodneyMohr.com) or Katherine at [filledeMohr@gmail.com](mailto:filledeMohr@gmail.com).

**Assessment:** This instructor will provide Learning Trade Secrets with an assessment of each student. This assessment is based on a Pass/Fail system with additional notes for admittance to future workshops with prerequisites. The grading scale will emphasize a student's participation, skill level and technique and timeliness of completion and accuracy following instructions. This information is strictly confidential.

## PARTICIPATION AND INSTRUCTIONS

**Participation:** Some students have previous experience and are attending workshops to refine their skills. New students are expected to communicate with the instructor as a learning resource, not other students.

**Instruction:** Students are expected to arrive on time and complete the daily milestones as they co-ordinate with the course assessment. Both time and supplies are valuable, if you do not understand the instructions, please ask for clarification before beginning work.

## COURSE CONTENTS

**Contents:** The contents of this course include the following topics:

Tools & Sharpening

Rehairing & Maintenance

Wraps & Thumbgrips

**Syllabus Changes:** While every attempt has been made to prepare this syllabus and class schedule in final form, it will be at the instructor's discretion to make any changes as he/she may deem necessary in order to meet the learning outcomes of the course.

**General Policies:** The instructor expects attention to detail and meeting course expectations, including participation in discussions and addressing technical problems immediately.

## WORKSHOP GROUND RULES

**Phones:** Please be courteous to your bench partners by silencing your cell phone during work hours and taking calls outside the workshop when necessary.

**Tools:** Do not borrow tools without permission. Everyone should have all the tools and supplies they need; if not please ask your instructor. Students are prohibited from using any power tools or equipment in the machine room.

**Safety Concerns:** Injury is possible when using cyanoacrylate glue, therefore each student has been provided a pair of safety glasses for use during the course to help prevent eye injury. A First Aid and Eye Wash Station also are available should injury occur.

**Work Hours:** Hours are 8:00 a.m. - 5:00 p.m. Additional time may be available from 7:00 p.m. - 9:00 p.m. for trouble shooting. Check with instructor for additional time.

# COURSE CALENDAR

These topics and milestones are subject to change at the discretion of the instructor.

DAY	DATE	AGENDA/TOPIC	MILESTONES
SUNDAY	05/20/2018	Tool Sharpening	All tools are sharp and ready to go
	6:00 pm	Workshop preparation for Monday	
MONDAY	05/21/2018	Introduction and overview	Bow preparation for rehairing
	8:00am–5:00pm	Rehair Demonstration & Discussion	Understanding wood grain orientation
		Removing hair, plugs and wedges	Bow prep
		Cut and fit head plug	Head plug fit by end of day
TUESDAY	05/22/2018	Disassembling the frog	Silver parts polished Frog plug fit by end of day
	8:00am–5:00pm	Polish silver parts	
		Cut and fit frog plug	
		Knot tying	
WEDNESDAY	05/23/2018	Hair installation in head	Hair in head
	8:00am–5:00pm	Combing out and tying knot	Hair is in bow
		Hair installation in frog	
THURSDAY	05/24/2018	Cutting and fitting spread wedge	Rehair is complete
	8:00am–5:00pm	1-2 more rehairs	1-2 more rehairs are complete
		Problems and questions addressed	
FRIDAY	05/25/2018	Wrap & Thumbgrip Demonstration	All questions answered
	8:00am–5:00pm	Refining rehairing techniques	Return all tools to tool box
		Pack personal belongings	
SATURDAY	05/26/2018		Enjoy the weekend!
	8:30 am	Meet at workshop for field trip	
	2:00–5:00 pm	Workshop open for students staying for the following workshop	