

LEARNING TRADE SECRETS WORKSHOPS

Bow Rehairing & Maintenance

Suggested Enrollment Cap: 12

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 thumb grips. 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 and after 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 if they have them, but not to purchase them prior to the workshop. 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 or Katherine at filledeMohr@gmail.com.

PARTICIPATION AND INSTRUCTIONS

Participation: Some students have previous experience and are attending the workshop 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. 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

Thumbgrips

WORKSHOP GROUND RULES

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.

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.

Safety Concerns: Please do not attend should you not feel well or test positive for COVID. 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 8:30 a.m. - 5:00 p.m. Or at the instructor's discretion. 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

DAY	TIME	AGENDA/TOPIC	MILESTONES
SUNDAY	5:30pm-6:00 pm	Getting Acquainted & Pizza Party	
	6:30pm-8:00pm	Tool Sharpening Workshop preparation for Monday	All tools are sharp and ready to go
MONDAY	8:30am— 12:00pm	Introduction and overview Grain orientation	Understanding wood grain orientation Cut a head plug with correct angles
	1:00 pm- 5:00 pm	Head Plug Cutting Demonstration Shapes & Angles	Fit plug to practice head
TUESDAY	8:30am— 12:00pm	Fit Head Plugs to Practice Head Prep Head and Stick for Hair	Successful head plug and head knot
	1:00 pm- 5:00 pm	Discussion on Measuring Hair Knot Tying	Hair installation in head
WEDNESDAY	8:30am— 12:00pm	Shapes & Angles of Frog Plugs Shape of Frog Mortise & Corrections	Successful frog plug and frog knot
	1:00 pm- 5:00 pm	Polish Frog Parts Fitting frog plugs Tying Frog Knot	
THURSDAY	8:30am— 12:00pm	Full Rehair Install Hair in Head, Comb Out	Hair is installed
	1:00 pm- 5:00 pm	Install Hair in the Frog Tricks to Not Forget the Ferrule	
FRIDAY	8:30am— 12:00pm	Cutting Spread Wedges Refining Rehairing Techniques	Rehair is complete All questions answered
	1:00 pm- 5:00 pm	Thumbgrip Demonstration	
	5:00pm—6:00pm	Pack Personal Belongings	Return all tools to tool box