

LEARNING TRADE SECRETS WORKSHOPS

Advanced Cello Set-up

March 17-22, 2019

Suggested Enrollment Cap: 10-12

Course Information

Course Description: “Advanced Cello Setup” is designed to be new or clarifying information for students. The objective for this workshop is for students to demonstrate understanding the relevant and critical details about cello set-up. The more cellos students bring to work on, the more possibilities and variables will be available for student learning. Pegs should be functioning on all cellos brought to the class. Discussions and demonstrations will include the following topical content:

- Fingerboard planing and nut fitting
- Bridge choices, location, types and sizes of bridges for cello
- Significance of making your own sound posts, material selection for sound posts, and fitting a post and additional posts for the same cello
- Use of bench jigs that can help streamline post fitting
- Importance and understanding of the various cello strings on the market
- Cello endpin and the cello wolf
- Tailpiece types, positions and the importance of the tailpiece ‘hanger’
- Types of tailpiece materials, and time permitting, testing on as many cellos brought by participants
- Proper peg fitting will be discussed, as time permits

Course Objective: The week’s objective is for each student to leave with a critical understanding of the specific details expected of a professional cello set-up. If time permits, a general overview of cello acoustics will also be part of the week’s objective. Demonstration of professional cello set-up will be the expectation of student learning outcomes.

Resource sand Supplementary Materials

Course Topics: Please refer to the week’s Agenda/Topics Milestones list for more details.

Instructor Information

Christopher Dungey, cello maker, will be available to answer questions during the workshop. After the conclusion of the workshop, please send follow-up questions to his email at cdungey@dungeycello.com Questions will be answered by him after the workshop as time permits.

Materials & Tools

Materials: Limited machine tools will be available at the workshop. Students will be expected to bring all necessary hand tools, cello bridge and sound post materials, as well as anything extra you feel will help your progress and success during this class. Please consult the referenced list below for further information.

Tools: Please consult the suggested list of tools and materials on the 'Tool List for Advanced Cello Set-up' provided.

Participation and Instructions

Participation: With varying degrees of background experience in the class, please try to keep questions and communication during class time directly with your instructor. If you *do have* something important that you would like to share with the class, try to arrange a time with your instructor so all students can benefit from the information at the same time.

Punctuality: Please be respectful of all students attending and arrive no later than the expected class start time. If an emergency arises or another start time needs to be arranged, please be sure to communicate that directly with your instructor.

Course Ground Rules

Digital Data Policy: Cell phone pictures will be allowed. They are for your own use and reference. Please no posting on social media platforms. Any pictures to be used to help promote a future *Advanced Cello Setup* class will need to be pre-approved and shared with Learning Trade Secrets LLC. Out of respect to your fellow students who have spent large sums of money to attend this class, **no video will be allowed during class time.**

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. Minimum texting will be allowed if it does not interfere with lecture time or others around you.

Tools: Do not borrow tools without permission.

Safety Concerns: A First Aid and Eye Wash Station are available should injury occur. Should an injury occur, please see your instructor immediately and then dial 9-1-1. Any injury requires a completed Injury Form located on the clip board next to the eye wash station. Your safety and well-being are our number one priority.

COURSE CALENDAR

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

DAY	DATE	AGENDA/TOPIC	MILESTONE
SUNDAY	MARCH 17	Tool sharpening and workshop preparation for Monday	All tools are sharp and ready to go
MONDAY	MARCH 18	Introduction and overview Reviewing tools Assessing instrument condition Fingerboard-discussion of Romberg and Round Tools and methods for planing Prep the nut, string spacing	Filling out instrument set-up worksheet Intro to cello acoustics and wolfs Plane fingerboard
TUESDAY	MARCH 19	Sound post - making a post/types of post materials Post setters Jigs that help Position, tension, and fit Endpins-discussion of types and materials Fitting endpins and experiment with sound Pegs-material types, shapers and reamers Discussion of peg position, fitting and finishing	Cut new sound post and fit Fit and adjust endpins Check peg fitting
WEDNESDAY	MARCH 20	Bridges-materials Belgian or French Prep the blank Bridge leg spreader Fitting feet, string height and spacing Carving, sealing and parchments	Prep bridge and plane to thickness Begin carving
THURSDAY	MARCH 21	Finish bridges String selection Tailpiece, discussion and install Set-up instruments	Setting up your cello
FRIDAY	MARCH 22	Adjusting overall instrument performance Acoustics and sound production Review, questions, and additional sound production tweaks to consider Pack personal belongings and clean workshop Finish by 6:00pm	Anything and everything regarding making your cello perform its best
SATURDAY	MARCH 23	Workshop will not be open for work or packing	