



University of
New Hampshire



VIOLIN CRAFTSMANSHIP INSTITUTE 2017

Summer ~ Weeklong Workshops

WITH THESE MASTERS

Lynn Hannings
Horst Kloss
Francis Morris
George Rubino
Paul Wiessmeyer



VIOLIN CRAFTSMANSHIP INSTITUTE 2017

Register early to save your space!

BOW REPAIR I

June 19-23 | *Distinguished Craftsperson: Hannings*

BOW REHAIRING

Offered twice: June 26-30 and July 3-7

Distinguished Craftsperson: Hannings

BOW MAKING: WITH A FOCUS ON HISTORICAL PRESERVATION

Offered twice: July 10-14 and July 17-21

Distinguished Craftsperson: Hannings

BOW REPAIR II & TOOL MAKING

June 26-30 | *Distinguished Craftsperson: Rubino*

FROG AND BUTTON MAKING

Offered twice: July 3-7 and July 10-14

Distinguished Craftsperson: Rubino

NEW! FINISHING BOWS

July 17-21 | *Distinguished Craftsperson: Rubino*

BASIC VIOLIN SET-UP, & TOOL USE

June 19-23 | *Distinguished Craftsperson: Morris*

BASIC VIOLIN & STRINGED INSTRUMENT REPAIR II

June 26-30 | *Distinguished Craftsperson: Wiessmeyer*

INTERMEDIATE VIOLIN REPAIR & SOUND ADJUSTMENTS

July 3-7 | *Distinguished Craftsperson: Wiessmeyer*

INTERMEDIATE - ADVANCED VIOLIN REPAIR & SOUND ADJUSTMENTS

July 10-14 | *Distinguished Craftsperson: Wiessmeyer*

VIOLIN & VIOLA BUILDING

Offered 3 weeks: June 19-23, June 26-30, July 3-7

Geigenbaumeister: Kloss

ADVANCED VIOLIN INTENSIVE I— BASS BAR STUDY: MODES AND TAP TONES WITH OLD WORLD PRECISION THROUGH MODERN TECHNOLOGY

July 10-14 | *Geigenbaumeister: Kloss*

ADVANCED VIOLIN INTENSIVE II— NECK SETTING WITH A FOCUS ON CONSERVATION AND RESTORATION TECHNIQUES

July 17-21 | *Geigenbaumeister: Kloss*



Plus these FREE Events

TOOL SHARPENING WORKSHOP

Sunday, June 18 | *Morris & Daddona*

Sunday, June 25 | *Kellogg*

SMALL BUSINESS WORKSHOP

Tuesday, July 11 | 6-8 p.m. | *Location: Putnam Hall*

Tuition: Free | Instructor: Richard Grogan, Ph.D.

Richard Grogan, Ph.D., State Director, Department NH Small Business Development Center (SBDC) at Paul College of Business and Economics will speak about the resources available for small business. The optional presentation helps current or prospective shop owners/ managers understand the basics of successful business operations.

DISTINGUISHED CRAFTSPERSONS

Lynn Armour Hannings has been teaching at the Violin Craftsmanship Institute since 1986. She is a former teaching assistant of William Salchow. She received her degree of Journeyman from the American Federation of Violin and Bow Makers in 1984 and was elected to membership in 1985. In 1989, Ms. Hannings was granted both a Fulbright Scholarship and the Annette Kadé Fellowship for the Advanced Study of the French School of Bowmaking in Paris, France, with Bernard Millant, the world renowned authority of French Bow Making. In 2011, she received a Special Recognition Award for her bowmaking efforts from the International Society of Bassists. She is a member of the Entente Internationale des Maitres Luthiers et Archetiers d'Art. As a conservatory trained musician and performer who has studied musicians' injuries, she has worked individually with musicians for over 40 years to meet their unique playing requirements. Ms. Hannings sells bows to professionals in the U.S. and internationally. In addition to bowmaking, she has extensive experience in the area of bow repair and restoration.

Horst L. Kloss, Mittenwald-trained Master Violin Maker, has worked with fine stringed instruments and bows for over four decades. In 1970, he established Kloss Violins, the oldest professional violin shop in New England, where he specializes in violin making using the golden proportions to design instruments. He also specializes in acoustic adjustment, custom instrument set-up, and the repair, restoration, and appraisal of historic instruments and bows. His formal training was at the State Bavarian School of Violin Making in Germany, where he earned his Journeyman's diploma in 1964 and his Master's Degree in 1972. He also had the privilege of training under the tutelage of Bruno Paulus from 1964 until 1965 while he was in Germany, and then under the guidance of Carl Becker, Sr. and Carl Becker, Jr. when he came to the U.S. to work at William Lewis & Sons in Chicago. He is one of fewer than 100 violin makers whose training and skills qualify him for full membership status in the American Federation of Violin and Bow Makers. He was selected from a handful of Federation members to take part in an intensive training at the Smithsonian on varnish restoration and conservation. He has cared for collections of note, including the Boston Museum of Fine Arts' historic stringed instruments. Mr. Kloss has taught violin repair and restoration and violin building at UNH's Violin Institute since 1996.

Francis Morris is a 1974 graduate of the world-renowned violinmaking school in Mittenwald, Germany. Subsequently he worked with Fritz Baumgartner in Basel, Switzerland, and at the shops of Hans Weisshaar and Robert Cauer in Los Angeles. Since opening his own shop in 1984, he has provided his customers with high quality instrument restoration, fine sound adjustments, and the sale and service of instruments and bows. He won an award for tone at the prestigious Violin Society of America's 2002 competition. He is a member of the American Federation of Violin and Bow Makers and the Violin Society of America. He currently lives and has a shop in Great Barrington, Massachusetts, nestled in the Berkshires near the Tanglewood Summer Music Festival.

George Rubino has been in the forefront of American bow making for over 40 years. His interest in the French tradition of bow making and his quest for knowledge facilitates his ability to make bows known for their fine aesthetic quality and capability to produce everything the music demands of a musician. Mr. Rubino studied bow making with William Salchow and was his teaching assistant at the UNH Violin Craftsmanship Institute for many years. He was appointed as a bow making and bow repair instructor for the UNH Violin Craftsmanship Institute in 1988. In addition to maintaining his own shop and working at the Institute, Mr. Rubino lectures and teaches workshops on the making/restoration of bows, frogs, and buttons, tool making, and machine operations in the United States, Europe, and Australia. George Rubino bows, and bows made by his students, are used by many of the finest string players worldwide.

Paul Wiessmeyer graduated from the world-renowned violinmaking school in Mittenwald, Germany, in 1981. Subsequently he worked at the shops of Hans Weisshaar and Robert Cauer in Los Angeles before opening his own shop in LA in 1986. Since 1991, he has owned and operated Paul Wiessmeyer Violins in Boston, Massachusetts, a full-service shop specializing in repair, service, sound adjustments, and sales of violins, violas, and celli. His clients include symphony players, professional musicians, conservatory students, and schools. He is a member of the American Federation of Violin & Bowmakers and the Violin Society of America. Paul has won several gold medals for his instruments at the H. Wienawski competition and the violin making competition of the Violin Society of America. In 2016, he was selected to judge the Violin Society of America's making competition.

WHO MAY ATTEND

Beginning to advanced bow makers, professional stringed instrument musicians, music educators, violin makers, and instrument repair persons at all levels of experience, as well as those simply interested in the art of violin and bow making are welcome to attend. **You must be 18 years or older to attend.**

INSTITUTE LOCATION

All workshops take place at the University which is located on 156 wooded acres in Durham, New Hampshire and is only a 90-minute drive from Boston, Massachusetts; 10 miles from the Atlantic Ocean; and 40 miles from the foothills of the White Mountains National Forest. The historic seacoast town of Portsmouth is 10 miles east of Durham.

TRANSPORTATION TO THE INSTITUTE

Limousine service and bus service are available from either Boston's Logan International Airport or from Manchester (NH) Airport. AMTRAK also runs service from Boston, MA to UNH in Durham, NH.

ROOM AND BOARD AT THE UNIVERSITY OF NEW HAMPSHIRE

Housing and meals are not included in the tuition. However, on-campus air-conditioned housing, including breakfast, is available for an extra charge. Housing reservations can be made by calling **(603) 862-0863 or (603) 862-1900**. You can also find information and a reservation form at learn.unh.edu/violin/2017housing.pdf. Follow the procedures and deadlines outlined.

HOW TO REGISTER

Online: Go to www.learn.unh.edu/violin and pay using a credit card.

By Phone: Call (603) 862-7380 **By Mail:** Complete the enclosed registration form and mail, along with full payment or a \$100 deposit for each week you plan to attend, to UNH Violin Craftsmanship Institute, Room G50, 11 Garrison Avenue, Durham, NH 03824.

By Fax: Fax the registration form and credit card info to (603) 862-7381

NEW!

The 2017 UNH Violin Craftsmanship Institute is hosted on a new registration system. You will be prompted to create your own student login and password. The new system allows you to view financial transactions and print your letters of completions. It is important to save your user name and password so that you may register for future events and view a historical record of your participation from this year forward.

FULL PAYMENT OR A DEPOSIT

To reserve your space in a workshop, you must either make full payment or a \$100 deposit **per week of instruction** at the time of registration. The **deposit is non-refundable** (see "Refund Policy"). Space is limited in each workshop, so **REGISTER EARLY TO RESERVE YOUR SPACE!**

TUITION, DISCOUNTS & RELATED COSTS

Tuition is \$925 per week with a 9% discount applied for multiple weeks. **To qualify for multiple week discounts, register and check out for multiple weeks in one registration session.**

Please see registration form for details.

- Housing and meals are separate from tuition.
- Participants who are serious about violin building and repair will, over time, make a considerable personal investment in tools.

FINAL PAYMENT DEADLINES

Registration and full payment deadline is May 1, 2017, for all workshops. If you do not make the full payment by the due date:

- 1) You will be charged an administrative late fee of \$50.
- 2) If others are on the waiting list, you may lose your place in the program and forfeit your deposit.

This policy has been adopted in fairness to students on waiting lists. All participants must be registered and paid in full before attending the first day of class. Walk-ins are **NOT ACCEPTED**.

U.S. CURRENCY

All deposits, tuition, registration fee, and payments to housing, if any, are payable **only** in U.S. currency, by credit card or by checks in U.S. funds.

REFUND POLICY

The \$100 per week tuition deposit is **non-refundable**. Tuition refunds, less the \$100 per week deposit, will be given if written cancellation is received by **May 1, 2017. No tuition refunds will be made after May 1.**

NOTE: Please check with the University Conference Office at (603) 862-1900 for their housing refund policies.

RESPONSIBILITY CLAUSE

The Violin Craftsmanship Institute is located in the State of New Hampshire and is subject to New Hampshire law. The terms and conditions of the Institute shall be enforced in accordance with the laws of the State of New Hampshire, and all Agreements relating to the Institute are deemed to have been made in the State of New Hampshire. In the event of litigation regarding the terms and conditions of the Institute, the parties expressly submit to the jurisdiction of the federal and state courts located in New Hampshire. All attendees must adhere to UNH rules, Institute rules, and University Conference Office policies. A signed participant waiver is required for attendance. Visit learn.unh.edu/violin for a copy of the waiver.

CONTACT US

- **Email:** professional.development@unh.edu
- **Call:** (603) 862-1739
- **Write:** Violin Institute, UNH Professional Development and Training, Room G50, 11 Garrison Avenue, Durham, New Hampshire 03824

CAMPUS HOUSING & MEALS

- Download information and a reservation form at: learn.unh.edu/violin/2017housing.pdf
- **Email:** conferences@unh.edu
- **Call:** (603) 862-0863 or (603) 862-1900
- **Write:** University Conference Office, Stillings Hall, 20 Ballard Street, Durham, NH 03824

Please note: Audio and/or video recordings of Institute classes are not permitted.

REGISTER ONLINE! learn.unh.edu/violin

VIOLIN CRAFTSMANSHIP INSTITUTE 2017

BOW REPAIR I

June 19-23 | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.
Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Hannings* | *Assistant: Kapousouz*

Rather than replacing a bow that needs repair, fix it! This workshop will cover routine bow repairs that will keep bows in good working order. Often bows that come in for rehairing also need some repair work. Instruction will include: screw and eyelet repairs; tip replacement; windings; leather grips; cambering and straightening; as well as replacing pearl slides and dots. How these repairs affect the playability of the bow will be emphasized. This workshop, in addition to Bow Rehairing, will best prepare you for commonly needed repairs. *After Bow Repair I*, participants are encouraged to take complementary classes in either *Bow Rehairing* or *Bow Repair II*.

Materials and Tools

You will need a number of student-level bows in need of repair (any condition, several if possible). A complete list of tools and suppliers is available at lahbows.com. If you have any questions about preparation for this workshop, you may contact Lynn Hannings at lynn@lahbows.com.

BOW REHAIRING

Offered Twice | **June 26-30 and July 3-7** | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.
Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Hannings* | *Assistant: Kapousouz*

The most frequent repair needed by string players is rehairing of the bow. This workshop focuses on the rehairing process and consists of a week of intense study. Ample time will be allotted for hands-on experience and practice. A solid foundation in rehairing will greatly enhance your experience in bowmaking, bow repair, and other more advanced workshops.

Materials and Tools

You will need a number of student-level bows that only need rehairing. A complete list of tools and supplies can be found at: www.lahbows.com. If you have any questions about preparation for this workshop, please contact Lynn Hannings at lynn@lahbows.com.

BOW MAKING: WITH A FOCUS ON HISTORICAL PRESERVATION

Offered Twice | **July 10-14 and July 17-21** | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.
Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Hannings* | *Assistant: Brough*

Each year this hands-on workshop focuses on the French bow makers who created bows renowned for their playability as well as artistic beauty. Whether restoring a bow or making a new one, it is helpful to know the time-honored techniques used for centuries in France. Under the direction of an instructor, who knows and respects the fine French bow tradition of handwork, you'll learn techniques that are both practical and fundamental. During Bow Making, you will work on your bows independently with personalized guidance by the instructor. The one-on-one instructional format is designed to maximize your time and talents. You may attend one or both weeks and all skill levels are welcome. It is helpful to take *Bow Rehairing* before *Bow Making*, but it is not necessary.

Materials and Tools

A complete list of tools and suppliers can be found at lahbows.com. If you have any questions about preparation for this workshop, please contact Lynn Hannings at lynn@lahbows.com.

BOW REPAIR II & TOOL MAKING

June 26-30 | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m. | **Tuition:** \$925 | **CEUs:** 4.4 |
Distinguished Craftsperson: Rubino | *Assistant: Curry*

You **DO NOT** need to take Bow Repair I to take this workshop.

This workshop covers some common bow repairs and techniques. It is for all levels of experience and provides essential information for the individual who repairs, rehairs, or makes bows. Topics include bow head splines, frog eyelet bushing, and specialty tool making as well as other repairs and techniques. The use of a metal cutting lathe and other small power tools will be presented.

If your plans include studying frog and button making: the lathe, knife making, and drill press techniques taught in this class will help to prepare you for the frog and button making class.

Returning students may work independently on their own projects under the guidance of the instructor. To discuss advanced preparation for this workshop and meet your personal goals, contact George Rubino at george@rubinobows.com at least 4 weeks prior to your arrival.

Materials and Tools

Bring bows in need of repair. If you don't have any, a limited number will be available at the workshop. For a complete list of tools and suppliers go to: learn.unh.edu/violin/tools

FROG AND BUTTON MAKING

Offered Twice | **July 3-7 and July 10-14** | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.
Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Rubino* | *Assistant: Curry*

This course is for students of all levels of experience, bow makers, and bow repairers. Frog and button making are not only necessary skills for the bow maker, but also essential skills for bow repairers and restorers. The frog and button are very important factors in bow playability. A frog and button that compliments the stick will ensure that the bow will play as well as possible. Mr. Rubino will present the process of making a hand-crafted frog and button so that the student will learn how to either make a frog and button for their own bow or learn from making how to restore a frog or button on an existing bow. It is recommended that the student (especially those with limited experience) consider attending both weeks of this course because of the amount of information and the time needed to make both a frog and button.

Materials and Tools

For a complete list of tools and suppliers go to: learn.unh.edu/violin/tools. If you have any questions about advance preparation for this workshop, contact George Rubino at george@rubinobows.com

NEW! FINISHING BOWS

July 17-21 | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.

Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Rubino* | *Assistant: Curry*

Many important decisions when making a bow occur during the finishing process. Final weight, balance, strength and varnishing are critical in enhancing playability and marketability. Mr. Rubino will work with each student individually guiding and advising them on the various options each bow presents. The students will be required to bring sticks, frogs and buttons that are prepared and ready for finishing. In order to best evaluate the playability of their bows students are encouraged to bring an instrument on which to play. A tool list and an outline of how to prepare the bow, frog and button for class will be available upon registration. This course is for students and professional bow makers alike. Experience in bow making is required. To be fully prepared, it is recommended that the students have attended the UNH Violin Institute classes on frog and button making, stick making, and rehairing or equivalent experience.

Materials and Tools

For a complete list of tools and suppliers go to: www.learn.unh.edu/violin/tools. If you have any questions about advance preparation for this workshop, contact George Rubino at george@rubinobows.com

TOOL SHARPENING WORKSHOP

Sunday, June 18 | 6-9 p.m. | **Tuition:** Free | **Location:** Putnam Hall, Room 120

Instructors: Francis Morris & Mike Daddona

A three-hour workshop on tool sharpening will be available to registered students in Basic Violin Set-up and Tool Use. The workshop will include a lecture, demonstrations, and hands-on practice with knives, scrapers, planes, chisels, and gouges. Topics covered include: shop safety, grinding, honing, and evaluating the sharpness of your tools. Walk-ins are welcome although pre-registration is appreciated.

BASIC VIOLIN SET-UP AND TOOL USE

June 19-23

Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.

Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Morris* | *Assistant: Daddona*

Basic Violin Set-up is a hands-on introductory workshop that addresses the basics of 4/4 violin set-up and teaches some of the basic bench skills required for repair and maintenance of a full-size violin. Topics include: proper use of bench grinders; sharpening knives, plane blades, and chisels; fitting pegs in the scroll; setting and making sound-posts; and making bridges. We will also discuss string selection and sound-post adjustments, although keep in mind the practice of sound adjustments takes years to master. *Basic Violin Set-up* is highly recommended for music teachers, musicians, shop owners, and others interested in string instrument repair. While you do not need to have previous experience working on violins, previous woodworking experience is beneficial. *Basic Violin Set-up* is highly recommended to as a precursor to *Basic Violin & Stringed Instrument Repair II*.

Materials and Tools

Two full-sized violins with ebony fingerboards. Inexpensive violins with or without pegs are recommended. They may be previously set up. We will be using these to fit new pegs, sound-posts, and bridges. They should be in good condition with no open cracks or seams. Other items needed include pegs (regular thickness and thick shaft), bridges, sound-post material, and strings. A complete list of suggested tools and materials can be found at learn.unh.edu/violin/tools.

TOOL SHARPENING WORKSHOP

Sunday, June 25 | 6-9 p.m. | **Tuition:** Free | **Location:** Putnam Hall, Room 120

Instructor: Randy Kellogg

A three-hour workshop on tool sharpening will be available to all registered students. The workshop will include a lecture, demonstrations, and hands-on practice with knives, scrapers, planes, chisels, and gouges. Topics covered include: shop safety, grinding, honing, and evaluating the sharpness of your tools. Walk-ins are welcome although pre-registration is appreciated.

BASIC VIOLIN & STRINGED INSTRUMENT REPAIR II

June 26-30 | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m. | Fridays 8-11:30 a.m. and 1-3:30 p.m.

Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Wiessmeyer* | *Assistant: Kellogg*

This hands-on workshop is recommended for individuals who took Basic Violin Set-up & Tool Use and for those with some previous repair experience. It will reinforce and continue Basic Violin Set-up lessons and cover finger board dressing and upper nut finishing, set-up and adjustment of cellos and violas, fractional size instruments, five strings violins, planing a fingerboard, adjusting a nut and saddle, set-up of all bowed string instrument except bass, tool sharpening, and sound adjustments. You'll receive one-on-one guidance.

Materials and Tools

One or two of the following instruments with ebony fingerboards: 4/4 violins, fractional size violin, viola (any size), cello (full or $\frac{3}{4}$), five string violin (preferably never set up). Two sets of fittings per instrument. Basic tool boxes may be rented from Randy Kellogg. Thanks to the 2016 donation of tools in memory of a past participant, Adrian Teuscher, the Institute has a limited supply of tools to supplement tool box rentals. For a complete list of suggested tools and materials along with tool box rental information can be found at learn.unh.edu/violin/tools

INTERMEDIATE VIOLIN REPAIR & SOUND ADJUSTMENTS

July 3-7 | Monday-Friday | 8-11:30 a.m. and 1-4 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m. | Fridays 8-11:30 a.m. and 1-3:30 p.m.

Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Wiessmeyer* | *Assistant: Kellogg*

Intermediate Repair will cover frequently requested repair procedures, including gluing cracks, correcting neck projections, peg bushings, and edge repairs. Basic retouch principals, and the retouch of nicks, scratches, and worn areas on violins, violas, and cellos will be demonstrated. You will receive daily, personalized instruction to guide you through your repair project. In-depth discussion and teaching demonstrations will focus on the topic of each student's repair project. Custom sound adjustments for musicians will be presented and discussed. Additional topics relevant to repairs at hand will be reviewed as appropriate. This hands-on workshop is designed for students who have taken *Basic Violin & Stringed Instrument Repair* or who have equivalent, practical experience with violin set-up and minor repairs.

Materials and Tools

Two or three stringed instruments needing any of the above mentioned repairs. Please do not bring violins with integral bass bars or an integral neck or upper block. You should already be proficient in tool sharpening. A complete list of suggested tools and materials can be found at learn.unh.edu/violin/tools.

INTERMEDIATE-ADVANCED VIOLIN REPAIR & SOUND ADJUSTMENTS

July 10-14 | Monday-Thursday | 8-11:30 a.m. and 1-4 p.m. | Fridays 8-11:30 a.m. and 1-3:30 p.m. | Evenings: Monday-Thursday | 4-5 p.m. and 7-9 p.m.
Tuition: \$925 | **CEUs:** 4.4 | *Distinguished Craftsperson: Wiessmeyer* | *Assistant: Kellogg*

In this continuation of violin repair study, students' more advanced repair projects will be discussed and shared as classroom learning opportunities. Each student receives personalized daily instruction at the bench to guide them through their project. This workshop will focus on neck-resetting, neck shaping, coloring and varnishing of the neck, plate and bar thickness, and the gluing and retouching of old cracks. Special topics covered include custom sound adjustments for musicians and basic violin identification. Returning violin repair students who already have moderate experience in repair and wish to expand their knowledge of practical and useful techniques at the bench are welcome to participate. A good knowledge of tool sharpening and tool usage is required.

Materials and Tools

NOTE: This workshop is **NOT** designed for work on fine Old Italian violins. Bring two or three instruments, or parts thereof, needing any of the above mentioned repairs. You should have a comprehensive set of tools, including clamps, brushes, and cutting tools. A complete list of suggested tools and materials can be found at learn.unh.edu/violin/tools.

VIOLIN & VIOLA BUILDING

Offered Three Weeks | Take one or more weeks! June 19-23, June 26-June 30, July 3-7

Monday-Friday | 8 a.m.-Noon and 1-3:30 p.m. | Evenings: Monday-Thursday 7-9 p.m. | **Tuition:** \$925 | **CEUs:** 4.0 | *Geigenbaumeister: Kloss* | *Assistant: Bennett*

What to Expect: It is recommended that students begin working on two instruments simultaneously; one with step-by-step guidance of the instructor, and the 2nd instrument in your free time. You will learn in groups according to your skill level and progress. In order to maximize learning, we recommend that you enroll for at least two weeks each summer. Beginners are encouraged to start during the first week. Each student will work at his or her pace. Typically, it takes a professional violin maker 4 weeks or less to complete a quality made violin in the white and varnished. It takes a student quite a bit more time, ten weeks or more, depending on experience, ability and focus.

Beginning students: Construction begins with the creation of templates and molds, followed by the fitting of blocks, planing, bending and setting ribs and linings. You may borrow a mold from the instructor, if you choose. In the first week you will be planing the top and back surfaces, getting them ready to make a joint. The first week will also include instruction on tool usage and safety, and sharpening. The intent is for beginning students to acquire new skills for a solid foundation in continued violin building.

Intermediate: New students at this level: Work begins with the joining of top and backs, establishing the outline, and carving the arching in the rough. The outline of top and back is finalized to an even distance of the rib out line. Students refine the arching of top and back, first with a gauge, thumb plane and then with scrapers. Next, students progress to the fitting of the purfling. Finally, the channel and edges need to be perfected before the mold can be removed and the excavation of the inside of top and back begins. The instructor suggests working on a two instruments to improve your skills and deepen your understanding of lessons taught through repetition. In German, *Übung macht den Meister* means practice creates a master.

Intermediate II: Continuing or returning students advance and hone their skill for the more difficult portion of making an instrument. The excavation of top and back continues or begins using gauge, thumb plane and scraper. By the time we transition from the thumb plane to the scraper, we are assessing the acoustical possibilities and the use of tap tones. Some students may advance to cutting the f-holes and fitting of bass bars. If you are a new violin builder, keep in mind the use of tap tones is a challenge. More experienced students experience more success with tap tones. Treat this craft with respect, enthusiasm and perseverance, and then you will find success.

Advanced Students: Proceed to the final stages of building your instrument. While external and internal work has been completed, there are a few more challenges ahead of you. Carving a scroll, fitting a fingerboard and setting the neck take advanced skills to complete the job. The final task, which requires intense focus, attention and tool skills, is to fit 5 different dimensions that come together simultaneously. The long-term goal is for students to complete an instrument "in the white." Under the guidance of Master Violin Maker Horst Kloss, you will succeed and enjoy the fruit of your labor.

Materials and Tools

A list of required tools and materials, along with suppliers, is available at www.learn.unh.edu/violin/tools. All students should bring their own tools, wood, sheet metal for templates, and building materials. You may contact the instructor at professional.development@unh.edu for advice about purchasing the necessary tools and materials.

ADVANCED VIOLIN INTENSIVE I — BASS BAR STUDY: MODES AND TAP TONES WITH OLD WORLD PRECISION THROUGH MODERN TECHNOLOGY

July 10 – 14 | Monday-Friday | 8 a.m.-Noon and 1-3:30 p.m. | Evenings: Monday-Thursday 7-9 p.m. | **Tuition:** \$925 | **CEUs:** 4.0 | *Geigenbaumeister: Kloss* | *Assistant: Genduso*

Every violin maker needs to develop expertise in the area of acoustics. Focusing on the old world precision combined with modern technology, Master Violin Maker Horst Kloss will share his experience working with bass bars, modes, and tap tones. Students will learn why an instrument needs a bass bar and how the sound of a bow string instrument is produced. After establishing a base line regarding the instrument under examination, a plan of action will be implemented. Instruction includes: selecting the wood and where to place a bass bar, as well as fitting and graduating a new bass bar. Tap tones and their acoustical implications will be thoroughly investigated. Precision work requiring advanced skills will be covered. Prior knowledge of sharpening and handling of tools is required for successful completion of these techniques.

For a complete list of tools and materials, go to learn.unh.edu/violin/tools.

ADVANCED VIOLIN INTENSIVE II NECK SETTING WITH A FOCUS ON CONSERVATION AND RESTORATION TECHNIQUES

July 17-21 | Monday-Friday | 8 a.m.-Noon and 1-3:30 p.m. | Evenings: Monday-Thursday 7-9 p.m. | **Tuition:** \$925 | **CEUs:** 4.0 | *Geigenbaumeister: Kloss* | *Assistant: Genduso*

The *Intensive Study* course on neck setting is designed to teach you the intricate and detailed aspects of necks and bridges with respect to acoustical properties of an instrument. Instruction addresses the topics of optimal neck angles, the fine tuning of downward pressure of the strings, carving an acoustically superior bridge, bridge heights, and bridge placement. After establishing a base line regarding the instrument under examination, a plan of action will be implemented. Students will learn how to remove a neck properly, practice adjustments and learn how these changes affect tone color, volume and projection. Master Violin Maker Horst Kloss will demonstrate preparation of templates, sample bridges and sound posts. The process for new instruments includes fitting of a finger board, neck foot, neck and trimming excess wood to fit a new bridge. Precision work requiring advanced skills will be covered. Prior knowledge of sharpening and handling of tools is required for successful completion of these techniques.

For a complete list, go to learn.unh.edu/violin/tools.

REGISTRATION FORM - VIOLIN CRAFTSMANSHIP INSTITUTE 2017

Print clearly and mail to: Violin Craftsmanship Institute, UNH Professional Development & Training, Room G50, 11 Garrison Ave., Durham, NH 03824

Or register on the web at: learn.unh.edu/violin

Or by phone: (603) 862-7380 **Or by fax:** (603) 862-7381

New Student Returning Student Date _____

Birthdate (required) _____ Male Female

First Name _____ M.I. _____ Last Name _____

Email Address _____

Daytime Phone (_____) _____ Evening Phone (_____) _____

Home Address _____

Home City _____ State _____ Zip _____ Country _____

Work Address _____

Work City _____ State _____ Zip _____ Country _____

Title/Profession _____ Employer _____

Do you have any medical condition or allergies we should be aware of? Yes No
(If yes, please explain: _____)

Emergency Contact: Name _____

Email _____

Phone (day): _____ (eve): _____

Do you anticipate you will stay in on-campus housing? Yes No Not Sure

Will you bring a car (we will arrange parking permit)? Yes No Not Sure

**PLEASE REGISTER ME FOR:
WORKSHOP**

- Bow Repair I
- Bow Rehairing
- Bow Rehairing
- Bow Making
- Bow Making
- Bow Repair II & Tool Making
- Frog and Button Making
- Frog and Button Making
- Finishing Bows
- Basic Violin Set-up & Tool Use
- Basic Violin & Stringed Instrument Repair II
- Intermediate Violin Repair & Sound Adjustments
- Intermediate-Advanced Violin Repair & Sound Adj.
- Violin & Viola Building
- Violin & Viola Building
- Violin & Viola Building
- Advanced Violin Intensive I - Bass Bar Study
- Advanced Violin Intensive II - Neck Setting

DATES

- June 19-23
- June 26-30
- July 3-7
- July 10-14
- July 17-21
- June 26-30
- July 3-7
- July 10-14
- July 17-21
- June 19-23
- June 26-30
- July 3-7
- July 10-14
- June 19-23
- June 26-30
- July 3-7
- July 10-14
- July 17-21

INSTRUCTOR

- Lynn Hannings
- George Rubino
- George Rubino
- George Rubino
- George Rubino
- Francis Morris
- Paul Wiessmeyer
- Paul Wiessmeyer
- Paul Wiessmeyer
- Horst Kloss

_____ Total Number of Workshops for which you are registering.

Calculate Your Tuition based on the Number of Weeklong Workshops

If you are registering for:	Min. Deposit	TOTAL
<input type="checkbox"/> One Week	\$ 925	\$ _____
<input type="checkbox"/> Two Weeks	\$1665	\$ _____
<input type="checkbox"/> Three Weeks	\$2525	\$ _____
<input type="checkbox"/> Four Weeks	\$3365	\$ _____
<input type="checkbox"/> Five Weeks	\$4210	\$ _____
<input type="checkbox"/> Parking Permit	\$ 25*	\$ _____
Total Due		\$ _____

*All participants who bring a car must purchase a UNH parking permit.

\$25 Parking Fee is not necessary if you choose not to bring a car.

PAYMENT INFORMATION

(Please include the nonrefundable deposit for each workshop/week.)

Check or money order for \$ _____ payable to University of New Hampshire (U.S. currency).

- AMEX VISA MasterCard
- Discover

Please charge my credit card for each workshop and/or week of instruction.

Card number _____

Exp Date _____ CVV Code* _____

Name on Card _____

Cardholder Signature: _____

* CVV Code: This is the 3-digit code on back of card. We cannot process payment without this code.

- FREE! Tool Sharpening Workshop** June 18
Francis Morris & Michael Daddona
- FREE! Tool Sharpening Workshop** June 25
Randy Kellogg
- FREE! Small Business Workshop** July 11
Richard Grogan

NOTE: The minimum non-refundable deposit (\$100 for each week you register to attend) is due at the time of registration to hold your space in the workshop(s). Full payment is due by May 1, 2017, or you may forfeit your space and lose your deposit.

**Full payment is due by May 1, 2017.
DEPOSITS ARE NONREFUNDABLE.**



**University of
New Hampshire**
Professional Development & Training

VIOLIN CRAFTSMANSHIP INSTITUTE

Professional Development & Training
Room G50, 11 Garrison Avenue
Durham, New Hampshire 03824
U.S.A.

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BRIDGE TO SUCCESS

Give back to grow the UNH Violin Craftsmanship Institute. Gifts to the Institute are gratefully accepted. As a part of UNH, the Institute has non-profit status and your gift is tax deductible in accordance with IRS rules and regulations. Donations may be in-kind gifts of tools in good repair or cash gifts designated for a specific use by the donor. To discuss a donation, call 603-862-1739 or email professional.development@unh.edu.

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**For a short video about the Institute, go to:
www.facebook.com/universityofnewhampshire/videos/10152931985651237**



HEAR WHAT PAST PARTICIPANTS HAVE HAD TO SAY...

"While it goes without saying that Paul Wiessmeyer is a master luthier (every piece of wood he touches is transformed perfectly), he also is a gifted teacher. He presents his lesson plans clearly and generously devotes equal time to each of his students."
Joe Fili, New Jersey

"It was a great experience in all respects. There were participants from every background and part of the country, each with a different reason to be there. The instructor somehow made it all work by setting the highest possible standards for precision while taking a flexible and supportive approach to helping participants go as far as they could in achieving that standard. It opened up a world of understanding that I probably could not have gained any other way."
Bill Duncan, New Hampshire

"As a repair luthier with over twenty years of experience, I can honestly state that the bow rehairing workshop taught by Lynn Hannings, was the most incredible and informative week of instruction that I have ever received. Her classroom demonstrations are comprehensible and always followed by one on one instruction that is tailored to each individual. Lynn graciously shares invaluable knowledge that most could never obtain without taking this course. She genuinely cares for the health and happiness of musicians and provides a wonderful model for future bow makers."
David Rhodes, North Carolina

"It's been several months since I had my two week professional Violin Institute training at UNH. I am still excited about invaluable experience and great time I had working with my new colleagues and friends under Maestro Horst Kloss. He is a world renowned violin maker and expert on fine string instruments and bows. I am not a beginner myself. Over the course of my 50 year career, I had a chance to work as a restorer at the Russian State Collection of Unique String Instruments including Stradivarius, Guarneri, Guadanini and more. I have to say that every single minute of my training with Maestro Kloss was incredibly esteemed! His immense knowledge, scientific approach and very specific, meaningful and clear directions helped me to turn newly received knowledge into a skill. His every word encouraged me to think how to perfect my craftsmanship to achieve greater goals. Maestro's very kind and highly intelligent nature was very important to me as a student as well. I feel privileged to have studied under his guidance and to have been a part of this inspiring experience. Bravo, Maestro Kloss!"
Valeriy Parfenov, Overland, MO

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