

COURSE DETAILS – 4 DAYS 4D0381

TITLE: MUSICAL INSTRUMENT MAKING – STARTING OR CONTINUING PROJECTS
HURDYGURDY, OR KEYWORK FOR THE CLAVICYTHERIUM

TUTOR: ANDY BUTTERWORTH

LEVEL: SUITABLE FOR ALL

AIMS OF THE COURSE:

This course is supplementary to the nine-day Musical Instrument Making course at Easter. It aims to assist:

1. Those preparing to make a new instrument on the Easter course.
2. Those continuing or at the finishing ('fitting up') stage of an instrument made on a previous Easter course.

WHAT STUDENTS SHOULD ACHIEVE:

Work can include the following aspects:

- (1) **Starting the hurdygurdy**
Discussion of drawings, wood selection, construction techniques.
Using jigs and moulds.
Initial preparation of wood, eg. soundboard/back gluing and thickening, rib-thickening.
Making the peg block, making the wheel.
- (2) **Finishing the hurdygurdy**
Skimming and preparing the wheel surface.
Cutting bridge and nut grooves.
Fitting and aligning strings.
Setting string/wheel pressure and applying cotton.
Making and fitting the trompette 'chien'.
Tangent fitting and adjusting.
General setting up and tuning.
- (3) **Making the clavicytherium keyboard**
General discussion of clavicytherium, methods of construction, action etc.
Planing and thickening keybed and keyblank.
Marking out and drilling for balance pins and keyguide pins.
Preparing balance rail and keyguide reinforcement, fitting and drilling.
Fitting balance pins and guide pins.
Cutting out individual keys.
Cutting mortices and guide slots in keys.
- (4) Continuing construction of other instruments already started.

NB: Varnishing and polishing will not be covered.

TEACHING METHOD:

This is generally on a one-to-one basis catering for the student's individual needs and dictated by ability, previous experience and knowledge. There will be group demonstrations where appropriate. As the course takes place in the main workshop, adjacent to the other courses in this series, you also gain knowledge by interaction with fellow students and other tutors. Those starting certain instruments have information packs provided by the tutors. Health and safety is dealt with as an integral part of the course.

EVENING SESSIONS:

First evening session – attendance is an essential part of the course:

You should bring all tools/materials to the workshop.

Evening activities:

Workshops are open each evening to 10pm and you may work on with your instrument with the tutor's agreement. Tasks which involve higher risk activities, or those which require constant tutor supervision, may not be possible outside core teaching hours (9.15am–12.30am and 2pm–5pm).

STUDENT PREPARATION FOR THE COURSE

As soon as you receive confirmation of your place, please tell us which instrument you wish to make. Please also give details of your past experience in instrument making and woodworking. We will pass this information to the tutor who will contact you to discuss this and materials required. Please email rosemary.marley@westdean.org.uk or return the form below with this information.

HEALTH AND SAFETY:

The tutor instructs students in health and safety issues relevant to this course. Students may work unsupervised on agreed projects once they have satisfied the tutor as to their competence. There may be restrictions on the equipment available to students in the tutor's absence. All Personal Protection Equipment, apart from footwear, is provided by the College.

Any electrical equipment brought in must be PAT tested by one of the workshop technicians before it is used on the course.

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MATERIALS FOR THE COURSE:

PLEASE REMEMBER THAT ON PRACTICAL COURSES YOU MAY WELL NEED TO PURCHASE MATERIALS THROUGHOUT THE COURSE TO COMPLETE PROJECTS

If you are making a new instrument a basic charge for materials, timber and drawings if supplied, should be paid to the tutor at the start of the course.

STUDENTS NEED TO BRING THE FOLLOWING:

Any tools you need to continue with basic construction (If in any doubt, please ask the tutor)
Appropriate workshop clothes and stout shoes (not sandals)

Additionally, for fitting up the hurdygurdy:

Violin maker's knife, or scalpel plus blades
¾" or 1" bladed chisel (sharp!)
Small flat-bladed screwdriver to fit tangent screws
Smallest round needle file you can get
Selection of other needle files (flat, half round, etc.)

For starting work on other instruments, or for general discussion, tools required etc. please contact the tutor (via the Admissions Office).

Please ensure you clearly mark your name on all tools you bring with you.

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COURSE TIMETABLE (unless otherwise stated above or agreed with the tutor during the course)

Course timetable for 2–9 day courses – each course starts with a welcome session on the first evening of the start date of the course and is followed by 2–9 days depending on the length of the course.

Arrival Day	From 4.00pm 7.00 8.15–9.15	Arrival for residential students. Non-residential students please arrive by 6.45pm for welcome chat and dinner. Dinner. First teaching session.
Daily Timetable	9.15am 10.30 12.45pm 2.00pm 3.30 5.00 7.00 8.15	Morning classes. Coffee. Lunch. Afternoon classes. Tea. Classes finish. Dinner. Evening working – students may have evening access to certain workshops in the absence of their tutor, but only with their tutor's permission and provided it is safe to do so.
Departure – last day	10.00am 3.00pm 3.30	Residential students are asked to vacate rooms. Classes finish. Tea then departure.

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Please return the form overleaf to assist the tutor with preparation by early November at the latest.

COURSE REPLY FORM

COURSE: 4D0381 STARTING OR FINISHING A HURDYGURDY,
OR KEYWORK FOR THE CLAVICYTHERIUM

DATE: 12-16 JANUARY 2009

TUTOR: ANDY BUTTERWORTH

INSTRUMENT DETAILS

I wish to start [] finish []* *please indicate

Hurdygurdy [] clavicytherium [] keyboard []

OR

if another instrument please specify

Name Tel. No. (Day)

Address (Evening)

If relevant, please give details of work outstanding

Any special materials/equipment needed

EQUIPMENT TRAINING:

I wish to use the: Band saw []
Fret saw []
Lathe []

I am attending course(s) on 12-16 January 2009 [] and/or 6-15 April 2009 []

I am bringing electrical equipment []

Please email this information to rosemary.marley@westdean.org.uk or return to:
Rosemary Marley, Short Course Organiser, West Dean College, Chichester PO18 0QZ