

EFHC Short Course Programme 2024 V2



Date	Day	Course Title	Timing including a break for lunch	Participants Max	Course Fee £
11/02/2024	Sun	Introduction to the centre lathe	1 day 10 am to 5 pm	5	120
02/03/2024	Sat	Making non-standard horological threads by traditional methods	½ day 11 am to 3 pm	6	80
23/03/2024	Sat	Making cutters for a pantograph engraver and using them	1 day 10 am to 5 pm	6	130
23/03/2024 24/03/2024	Sat Sun	Introduction to the watchmaker's lathe	2 days 10 am to 5 pm	6	240
14/04/2024 21/04/2024 28/04/2024	Sun Sun Sun	Introduction to watchmaking and make your own watch	3 days 10 am to 5 pm	12	440
11/05/2024 12/05/2024	Sat Sun	Making a watch winding stem	2 days 10 am to 5 pm	6	240
02/06/2024 09/06/2024 16/06/2024	Sun Sun Sun	Introduction to watchmaking and make your own watch	3 days 10 am to 5 pm	12	440
20/07/2024 21/07/2024	Sat Sun	Turning a balance staff	2 days 10 am to 5 pm	6	240
06/08/24 to 09/08/2024	Tue to Fri	Clock repair summer school.	4 days 10 am to 5 pm	8	480

Note 1 : All the above are subject to change if circumstances demand

Note 2 : All bookings and enquiries should be emailed to shortcourses@efhc.org.uk To book please enquire whether there is a vacancy before sending payment. If available a place will be reserved for 24 hours and confirmed on receipt of payment.

EFHC Short Course Programme 2024 V2 Course Summaries



(1) Introduction to the centre lathe

Aimed at beginners, this course is designed to give students the competence and confidence to use lathes safely for basic operations and includes sharpening tools, parallel turning and facing, chamfering, knurling, drilling, tapping and threading using a die. Simple milling in the lathe will also be demonstrated.

(2) Making cutters for a pantograph engraver and using them.

The club has an Alexander pantograph engraving machine along with a Chinese copy of a Deckel tool and cutter grinder which is designed to make single point cutters for engravers. This course teaches students how to make a double ended cutter which they get to keep and how to use it to engrave text, dials and the like with one end and for light milling including crossing out wheels, profiling levers etc. with the other. Some turning is involved so experience with a lathe is an advantage but not essential.

(3) Making non-standard horological threads by traditional methods

Modern conservation practice requires that any repairs or replacements of threads, nuts or screws in antique clocks should be as the original, not with modern standardised threads. This course teaches students how and includes making and using your own tools by traditional methods. All materials are supplied. Some turning is involved and basic metal working skills are expected.

(4) Introduction to the watchmaker's lathe

It is suggested that students bring their own lathes, gravers and sharpening equipment if they have them although these are available if they haven't. Watchmakers' lathes will be described along with checks and adjustments as necessary. Sharpening of gravers will be taught then turning steel parallel, turning a shoulder screw including threading and filing square using a filing rest.

(5) Making a watch winding stem

This course follows on from the introduction to the watchmakers' lathe or for students with some experience. They will be provided with a drawing and are expected to work to size including turning a shoulder, turning a groove, filing square, threading, softening, and hardening blue pivot steel as appropriate. Bring your own lathe and accessories if you have them.

(6) Making a watch balance staff

Another follow-on course to acquire additional skills in the use of a watchmakers lathe. It will start with turning a large balance staff to acquire skill and progress to turning smaller staffs to a required size. Bring your own lathe and accessories if you have them.

(7) Introduction to watchmaking and 'Make your own watch'

Students will be provided with a Chinese version of a Unitas 6497 movement, a dial, hands, case and strap which they get to take home afterwards. They are taught to dismantle, clean, reassemble, adjust and lubricate the movement which introduces them to basic watchmaking and the Swiss lever escapement. Then they complete the assembly of the watch and time it. Designed as a pocket watch movement, it has 17 jewels and makes a large wristwatch with a subsidiary second hand in the modern fashion. Any tools needed are available on loan if needed.

(8) Clock repair Summer School

This is an opportunity to bring along a pendulum clock and use the Centre's equipment to repair it with expert help available. Please discuss with us beforehand the suitability of your clock and perhaps bring two in case the first is very quick or too complicated to attempt. A pendulum clock is specified because there will not be enough time to teach work on platforms not in good condition.