



## PETER SEFTON FURNITURE SCHOOL



### Routing Course – Make a Jointed Tool Tray in Two Days, Plus Day Three, Advanced Routing and Jig Making

Learn essential skills you'll need to use hand-held and table mounted routers; understand the importance of router and cutter selection as well as accurate and safe setting up, whilst making a jointed tool tray. After learning the fundamentals, the third day teaches more advanced routing skills and techniques including jig design and making, tool care and curved work

#### 📅 Course Dates

- 22<sup>nd</sup>-24<sup>th</sup> Sep 2021 (**Full**)
- 18<sup>th</sup>-20<sup>th</sup> Oct 2021 (**Full**)
- 24<sup>th</sup>-26<sup>th</sup> Nov 2021 (**Full**)
- 24<sup>th</sup>-26<sup>th</sup> Jan 2022 (**Full**)
- 31<sup>st</sup> Jan-2<sup>nd</sup> Feb 2022 (**Full**)
- 2<sup>nd</sup>-4<sup>th</sup> Mar 2022 (**Full**)
- 23<sup>rd</sup>-25<sup>th</sup> May 2022
- 27<sup>th</sup>-29<sup>th</sup> Jun 2022

#### 📌 Cost

£395 including all materials for the tray and jigs

#### 🕒 Duration

3 Days – 9am-5pm

#### This course is suitable for ...

- Beginners: ✓
- Intermediate: ✓
- Advanced: ✓

#### Course Overview

##### • Why choose this course?

An introduction to safe and productive routing; this short course has been designed to give the essential skills that you need to understand the workings of routers, cutters, jigs and basic templates as well as progressing to more advanced techniques. Peter Sefton is an expert on routing and jig design and small groups ensure everyone benefits from practical demonstrations and hands-on tuition.

Peter Sefton has been teaching routing for many years and is highly experienced in teaching students with all levels of experience. After learning the fundamentals, the third day of the course is dedicated to advanced routing and jig making techniques.

The course is aimed at those with limited experience of using a router or maybe students who wish to buy a router and open up a new world of woodworking techniques, as well as those who are familiar with the router but wish to improve their skills learning advanced techniques. Students will learn how to select routers, tooling and tables, and how to set up hand-held and table mounted routers for accurate and safe operation. You will be given practical demonstrations and using your improved skills, you will make your own tool tray over the first two days of the course as well as a useful general-purpose jig on day three.

The tool tray will be made of Birch plywood and MDF with routed joints and grooves for the tray bottom and a curved and profiled top edge with a routed handle. The third day of the course is dedicated solely to advancing your routing skills and techniques and become confident in the design, construction and use of a range of jigs; you will also make your own useful, general purpose jig to take away. There's no need to buy any tools to come on the course; we have all the routers and tooling required for your project, but you may wish to bring your own router with you so that we can provide assistance on its use. Any router you wish to bring with you must be less than 12 months old and in good electrical condition or alternatively be "PAT tested".

During the course, we will assist and guide students and endeavour to help with any particular problems you have been encountering in your own workshop. Impartial advice will be given on the various products on the market which offer the best quality and value for money. Small groups ensure plenty of hands-on tuition for every student. Students are able to try out, test and buy woodworking tools and equipment from Peter's tool shop [www.woodworkersworkshop.co.uk](http://www.woodworkersworkshop.co.uk) with a 5% discount – try before you buy – we have the best selection of routing tables in the UK.

##### • What will I achieve?

At the end of this course you will have gained the knowledge, experience and confidence to attempt fundamental routing techniques and understand router terms and technology, learnt how to get the most from your routers and how to use them in a safe manner.

## Course Content

- **Induction and Welcome to the School**
- **Health and Safety in the Workshop**
  - Storage and safe use of the router and cutting tools
- **Equipment Selection**
  - Routers - 240V or 110V, motor size and plunge action, fine adjustment and dust extraction
  - Router tables – home-made, purchased Phenolic, MDF, cast iron, router insert plates and router lifts
  - Appreciation of different types of router/routing freehand, plunge, fixed base and trimmers
  - Cutters - HSS, TCT, disposable tips
  - Profile, diameter, length, bearing, arbour slotters, when to use 1/4" or 1/2" shank
  - Bearing or template guide bushes
  - Fences, baseplates and trammel bars
- **Freehand Routing**
  - How and when to do free-hand routing
  - Holding work securely when routing
  - Direction of cut
- **Using Jigs and Fences**
  - Understanding router add-ons – special bases, fences and sleds
  - Shop-made jigs, special purpose jigs and general-purpose jigs
  - Awareness of the need for a fence, pin, bearing, ring, guide bush, when routing
  - Understanding and demystifying jigs – safety, accuracy, repeatability, and efficiency
  - Choosing materials and fixings for long lasting jigs
  - Practical design & making of a useful, general purpose jig
  - Guarding your workpiece, safety, guiding and work holding
  - Machining strategy – best order of machining tasks and why
- **Router Care and Sharpening**
  - Cutter and router maintenance, diamond slips, resin cleaner, anti-rust VCI, PTFE spray (not silicone)
- **Cutting Circles and Ellipses**
  - Using home-made trammels and ellipse jigs

### Health and Safety Equipment Required

Students need to bring their own PPE (Personal Protective Equipment) to the course, as follows:-

- Ear Defenders
- Safety Glasses

You don't have to bring any tools with you as we have all the routers and tooling required for your project - you may wish to bring along your own router so that we can provide you with assistance on its use (only tools that are under one year old/with a current PAT test are able to be used in the workshop please).

### Where to Stay

Please see the **Find Us** page of our website [www.peterseftonfurnitureschool.com](http://www.peterseftonfurnitureschool.com) and then click on **Accommodation**.

### Booking Info

**Duration and Facilities:** The course runs over three days, 9am to 5pm with 1 hour for lunch. Students will need to provide their own lunch each day and tea and coffee are provided by the School. It is only a 3-minute drive to the town centre, where you will be able to buy lunch from the bakery or supermarkets on the High Street – there's also a great fish and chip shop ...

**How do I apply for any of your Courses?** First, please contact us to confirm there is space on the course either by phoning 01684 591014 or emailing [sarah@peterseftonfurnitureschool.com](mailto:sarah@peterseftonfurnitureschool.com). Once a place is confirmed, please complete the Course Booking Form and forward it with your full course fee to the School. We accept payment by Bank Transfer and accept debit and credit cards (please email [sarah@peterseftonfurnitureschool.com](mailto:sarah@peterseftonfurnitureschool.com) to request an e-invoice to be emailed to you, where payment can be made securely by credit or debit card).

Don't forget you will receive a 5% discount code for use at Peter's tool shop [www.woodworkersworkshop.co.uk](http://www.woodworkersworkshop.co.uk) whilst on your course. The School regrets that we are unable to accept applications from anyone under the age of 18 at the start of their course.

