

# ***Turning Course***

October 8  
to  
December 14, 2012

*One step ahead in gaining knowledge and experience  
in using a lathe*

## Turning Course

October 8 to December 14, 2012

### Dates and duration

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October 8 to December 14, 2012

10 weeks – 420 hours

### Location

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WOSTEP, Rue des Saars 99, 2000 Neuchâtel, Switzerland

### Aim of the course

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To gain knowledge and experience in using a lathe to reproduce broken or missing parts.

### Condition of admission

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Candidates must be practising watchmakers.

### Price

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The CHF 3'600.- tuition fee includes the following (without accommodation) :

- Tuition, administrative support and expenses
- Toolkit  
(*The purchase of this kit is mandatory but will remain the property of the student after the course*)
- Resources (infrastructure such as : tools, machines...)

Additional cost :

The amount of CHF 1'050.- is required as a prepaid financial guarantee by the State of Neuchâtel to assure your domestic needs and will be refunded to you on a monthly basis.

Accommodation costs in a shared apartment adequately equipped for 3 roommates for 10 weeks :

- CHF 1'500.00 for a room in category A (15/16m<sup>2</sup>) = CHF 600.-/month (*based on availability*)
- CHF 1'312.50 for a room in category B (13/14m<sup>2</sup>) = CHF 525.-/month (*based on availability*)
- CHF 1'125.00 for a room in category C (11/12m<sup>2</sup>) = CHF 450.-/month (*based on availability*)

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### Tools

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- Graver : preparation and sharpening
- Lathe : different types and accessories
- Jacot tool and burnisher
- Measuring instruments

### Technical skills

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- Knowledge of metals and turning speeds
- Technical drawing :
  - How to read a drawing
  - Making a simple drawing
  - Taking measurements and adding them to a drawing

### Practical skills

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- Basic turning :
  - On brass and steel rods
  - Making tools incl. various operations such as drilling, knurling, thread-cutting and heat-treatment
- Fine turning :
  - Preparing pivot-gauges
  - Turning the pivots of the gauges
  - Turning a balance-staff body
  - Turning the balance-staff pivots
- Burnishing :
  - Use of a Jacot tool
  - Burnishing the pivot gauges
  - Burnishing the balance-staff pivots
- Exercises :
  - Making a new balance-staff to replace an old one
  - 1 x small and 1 x large
  - Making a new stem to replace an old one
  - 1 x small and 1 x large

If time allows : re-pivoting a broken pivot, milling exercises, turning on a Schaublin lathe

### Lathe

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Care of the equipment.

### Examination

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At the end of the course, each student is submitted to a final examination.

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Last name : ..... First name : .....

### Estimation of your professional experience :

	<i>School name or training institution</i>	<i>Period</i>	<i>Hours of training</i>
Watchmaking school	.....	.....	.....
Apprenticeship	.....	.....	.....
Training in family business	.....	.....	.....
Self-taught	.....	.....	.....

### Professional experience (after training) :

<i>Employer's name</i>	<i>Full-time</i>	<i>Part-time</i>	<i>Period</i>
.....	<input type="checkbox"/>	<input type="checkbox"/>	.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	.....

### Repair experience :

Number of years ..... : on mechanical : .....% on quartz : .....%

Watch brand with which you have the most experience : .....

<b>Experience in the following operations</b>	<i>Not at all</i>	<i>Beginner</i>	<i>Confident</i>
Filing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thread-cutting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any other specialities ? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are you able to turn a balance staff ?  YES  NO

Are you able to fit a balance staff ?  YES  NO

Date : ..... Signature : .....

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**Registration** – Please fill in capital letters

### Personal information

Title:  Ms.  Mrs.  Mr.  
Last name(s) : .....  
First name(s) : .....  
Nationality : ..... Birthday (dd/mm/yyyy) : .....

### Contact Information

#### Mailing address

Street address, n° : .....  
Post office box : .....  
Zip Code, city : .....  
Country : .....  
Home phone : .....  
Work phone : .....  
Portable phone : .....  
Home e-mail : .....  
Work e-mail : .....

#### Invoice (if different from the above mentioned)

Contact person : .....  
Street address, n° : .....  
Post office box : .....  
Zip Code, city : .....  
Country : .....

**The following must be added to your application form :**

- A few words explaining what you expect from WOSTEP Turning Course
- Copy of any diploma with details of the results
- Reference letters from previous employer or teacher
- 1 photo (passport size)

### Where/how have you heard about WOSTEP ?

WOSTEP student(s)  Advertisement  
 Internet  Employer  
 Other : .....

Date : ..... Signature : .....