

Turning Course

October 11 to December 17, 2010

April 2010

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Instructor

Andrea Accolla

Dates and duration

October 11 to December 17, 2010

10 weeks – 420 hours

Location

WOSTEP, Rue des Saars 99, 2000 Neuchâtel

Aim

To gain knowledge and experience in the use of a lathe to reproduce broken or missing parts

Requirements

Candidates must be practising watchmakers

Price 2010

CHF 5,430.- including accommodation with half board in a students' home

CHF 2,900.- excluding accommodation (for people who live in the vicinity)

+ approximately CHF 350.- for the individual tool kit (compulsory)

Tools

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

Technical skills

- 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

- 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

Care of the equipment

Examination

At the end of the course, each student will sit a final examination

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Assessment of your professional experience

First name Surname

Training	Name of school or training institution	Dates	Hours of training
Watchmaking school
Apprenticeship
Training in family business
Self-taught

Professional experience (after training)

Employer's name	Full-time	Part-time	Dates
.....
.....
.....
.....

Experience in repairs: no. of years; mechanical :% quartz:%

Watch brand with which you have the most experience:

Experience in the following operations	Not at all	Beginner	Confident
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"/>
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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Enrolment form – Please use capital letters

Personal information

Title: Ms. Mrs. Mr.
Name(s):
First name(s):
Nationality:
Date of birth (dd/mm/yyyy):

Contact information

Postal address

Street, house no. :
Post office box:
Post code, city:
Country:
Tel (priv.): Tel (office) :
Fax:
Mobile:
E-mail (priv.):
E-mail (office):

Address for invoice (if different from above)

Contact person:
Street, house no.:
Post office box:
Post code, city:
Country:

Please enclose the following with your application:

- 1 photo
- Copy of diploma(s) with details of results
- Reference letters from previous employers or teachers
- A short paragraph to explain what you expect from WOSTEP

Where/how did you hear about WOSTEP ?

WOSTEP student(s) Advertisement
 Internet Employer
 Other:

Date Signature