

# Ultrasonography: Understanding, insight and hands-on training

Pre-homework:  
(preparation)

E-learning  
-Movie  
-Physics

1h

2 day course including physics, simulator  
training and hands-on sessions.

**Day 1:**  
Introduction:  
Building physics  
and skills

Introduction  
course and  
ECTM

Lecture 1  
*Ultrasound  
physics*  
Lecture 2  
*Ultrasound  
Artefacts*

Simulator  
*Plane  
perception*

Example scan  
*How to scan*

Hands-on  
individual  
scanning - 2

Lecture 3  
*knobology*

Simulator  
*Knobology  
training*

Closing remarks

10min

09.30-09.40

30min and  
30min

09.45-10.15  
10.15-10.45

45min

11.00-11.45

15min

11.45-12.00

Lunch

2h

13.00-15.00

15min

15.15-15.30

1h

15.30-16.30

30min

16.30-17.00

**Day 2:**  
Structured  
scanning and  
dynamic US

Lecture 4  
*Structured  
scanning*

Hands-on  
individual  
scanning - 4

Hands-on  
*Knobology  
training*

Hands-on  
individual  
scanning - 5

Lecture 5  
*Flow*

Hands-on  
individual  
scanning - 6

Closing remarks

30min

09.30-10.00

1.5h

10.00-11.30

30min

11.30-12.00

During lunch –  
tour ECTM

1h

13.15-14.15

30min

14.15-14.45

1.5h

15.00-16.30

30min

16.30-17.00