

Digital dentistry summer school

Join us for a week of intensive learning at our Digital Dentistry Summer School in Helsinki!

This comprehensive package will take you through all the basics of digital dentistry by bundling our beginner's courses in 3D imaging and CAD/CAM techniques in one intensive five-day programme. After the course, you will have gained a broader understanding of the principles and applications of both 3D imaging and CAD/CAM in diagnostic and restorative dentistry.

Outside the classroom, the well-known long summer days of Finland will also offer you plenty to explore, ensuring a truly unique experience!

Course objectives

3D imaging and diagnostics

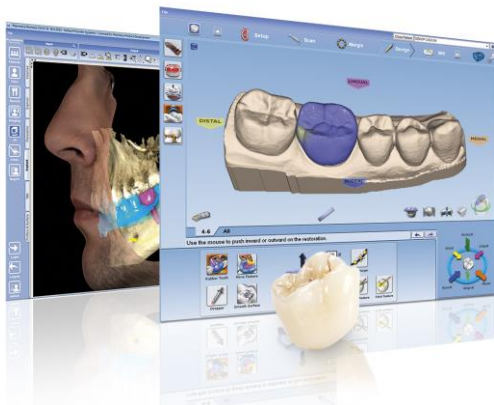
- Interpret CBCT images and understand the principles of 3D imaging
- Understand effective patient doses and minimize exposure
- Recognize anatomical variations and pathologic conditions

Fundamentals of CAD/CAM

- Learn and implement proper techniques for tooth preparation and the designing process of single restorations
- Understand the benefits that efficient scheduling of CAD/CAM brings to the clinical practice
- Learn the technical skills required to use CAD/CAM technology

Length and format of the course

4,5 days with 26 hours of lectures and hands-on training
2,5 ECTS credits (European Credit Transfer System) or
26 CE credits (Continuing education)



Helsinki

4,5 days

26 CE
credits

€ 2500
+VAT

Lecturers

- **Dr. Bart Vandenberghe**
DDS, MSc, PhD (University of Leuven, Belgium)
- **Dr. Kari Pihlman**
DDS (Private practice in Finland)

Hands-on lecturers: Planmeca product specialists

Venue

Planmeca Digital Academy Training Center
Asentajankatu 6
FIN-00880 Helsinki, Finland

Target group

- International graduated dentists and radiologists with interest in 3D imaging and CAD/CAM technology
- The course will be carried out in English

Side program

- Boat trip in the beautiful archipelago outside Helsinki
- Sauna evening and Nordic dinner at Planmeca's seaside villa
- Guided walking tour in Suomenlinna fortress
- Sightseeing bus tour in Helsinki
- Voluntary visit to Planmeca's headquarters and factory

Course fee

The price for the course is 2,500€ + value added tax (24%), if applicable. The price includes lectures and training, materials, lunches and refreshments. The side program during the course is voluntary and complimentary. Please note that travel and hotel costs are not included.

For further information and registration, please contact:

Elli Abdou
Training Coordinator, NIDE
Tel. +358 20 779 5101
elli.abdou(at)nordicdented.com

Course schedule

Day 1 (Lectures and hands-on):

3D imaging and diagnostics

- Principles of dental imaging
- 2D and 3D imaging in dentistry
- Basic dental anatomy revisited + 3D anatomy (+ exercises)
- 3D image analysis: introduction
- CBCT and 3D image analysis
- Diagnostic applications of CBCT
- Basic dental pathology examples and software considerations
- Small, medium & large field-of-view CBCT
- Principles of use, dosimetry and radioprotection exercises (imaging protocols)

Day 2 (Lectures and hands-on):

3D imaging and diagnostics

- Interpretation principles in radiology
- 3D image manipulation and planning
- Diagnostic considerations for endo/ perio/ prosth/ ortho
- CBCT diagnostics: indications and pathology
- Pathology examples and exercises
- Advanced image analyses: 3D manipulation
- 3D visualization techniques
- Artifacts: practical considerations

Day 3

Explore Helsinki

- Guided walking tour in Suomenlinna fortress
- Sightseeing bus tour in Helsinki

Day 4 (Lectures):

Fundamentals of CAD/CAM

- Overview of dental chair-side CAD/CAM systems. Indications and limitations
- Preparation rules: inlay/onlay, veneer, crown
- Materials used in CAD/CAM
- Ceramic materials – How to choose them?
- Principles of adhesion to ceramics and tooth surfaces
- Cementing: overview of cements. Cementing restorations
- Clinical cases: failure and success
- Longevity and maintenance of restorations
- Clinical hints

Day 5 (Hands-on):

Fundamentals of CAD/CAM

- Hands-on: Scanning, designing and milling of a single molar crown
- Hands-on: Scanning, designing and milling of an onlay
- Stain and glaze – milling materials and finishing of the restoration
- Tailored case to meet the course participants' special needs



"I chose NIDE's Digital Dentistry Summer School course because this was not part of my training 20 years ago, when I was an orthodontic resident. Because of my familiarity with Planmeca equipment, the link between NIDE and Planmeca became a motivating factor in my selection of NIDE's Digital Dentistry Summer School."

– Dr. Anthony Chinhara, orthodontist, Zimbabwe



"I chose NIDE's CAD/CAM course because I wanted to receive more theoretical knowledge and practical exercises to become more professional in prosthetic dentistry. After the course I was able to communicate better with my lab, make the right choice of material and to be entirely responsible of my work."

– Dr. Iryna Chulkova, general dentist, Belgium