

# ODEON Basic course \* 27-28 September 2021

The basic course is for users who have basic to intermediate experience in the use of ODEON, and covers lectures and hands-on exercises, as well as related publications material.

Please make sure to download the latest version of the ODEON Combined from <https://odeon.dk/downloads/odeon-installations-updates/>. An installation copy of the most recent beta ODEON version and license will also be provided for use during the course. In addition, please download one of the latest [SketchUp Pro](#) versions (2018 or 2019). If you do not have the pro version, please make sure to download [SketchUp Make 2017](#), which is compatible with the [SU2Odeon plugin](#) and can be used for learning purposes only.

**It is important to bring your own computer with administrator rights in order to install any necessary software in situ. ODEON is compatible with Windows Vista, 7, 8, or 10 (32 or 64-bit). SketchUp Make 2017 is only available for 64-bit systems.**

## Instructors:

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## PROGRAM

*Monday 27<sup>th</sup> September*

- 09:00 Registration, welcome, and setup**
- 09:15 Room modelling using SketchUp**  
Hands-On exercise
- 10.00 ODEON, basic workflow**  
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 ODEON Results. Exporting them for reports and presentations.**  
Hands-On exercise (continues)
- 11:45 The DXF file format and ODEON's Extrusion modeller**
- 12:30 Lunch**
- 13:30 Import DXF files, verification and fixes**  
Hands-On exercise
- 14:15 Room acoustic parameters**
- 14:45 Coffee Break**
- 15:00 New features in ODEON 17 – part 1**
- 15:30 Auralisations**  
Hands-On exercise
- 16:30 End of day 1**
  
- 17:30 Social dinner**

*Tuesday 28<sup>th</sup> September*

- 09:00 Breakfast and setup**
- 09:15 Calculation methods – The theory behind ODEON**
- 10.00 New features in ODEON 17 – part 2**
  - Source power estimation
  - Export models from ODEON to Sketchup
  - Material Calculator
- 10:45 Coffee Break**
- 11:00 Airborne sound transmission**
  - Hands-On exercise
- 11:30 Brief demonstration of ODEON's measuring system**
- 12:00 Lunch**
- 13:00 Loudspeaker formats and array sources**
  - Hands-On exercise
- 13:45 Open plan offices (ISO 3382-3 - 2<sup>nd</sup> edition)**
  - Matrix calculation
- 14:00 Coffee Break**
- 14:15 Making STI Calculations**
  - Application note
- 14:45 Application cases**
  - Hands-On exercise
- 15:45 Discussion**
- 16:30 End of day 2**