

ODEON Master Class * 30 Sept. – 1 Oct. 2021

This course is for experienced users 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.

Note: *Each participant should bring a case for discussion, to be presented at the end of the day (either first or second). It can be either a case that needs feedback or just a worth-mentioning special example.*

Instructors:

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PROGRAM

Thursday 30th September

- 09:00 Registration, welcome, and setup**
- 09:15 Simple rooms with non-diffuse sound field**
Presentation
- 10:00 The Genetic Material Optimizer (Sports hall)**
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 Adjustment of materials using measured acoustic data (cafeteria)**
Hands-On exercise
- 11:45 The Lombard effect and estimation of acoustic capacity**
Presentation
- 12:30 Lunch**
- 13:30 Modelling the noise in a cafeteria using dynamic surface sources**
Hands-On exercise
- 14:00 Multi-source auralisation of conversation in cafeteria**
Hands-On exercise
- 14:45 Coffee Break - Demonstration through ODEON's speaker layout.**
- 15:00 Cases from participants**
- 16:30 End of day 1**
- 17:30 Social dinner**

Friday 1st October

- 09:00 Breakfast and setup**
- 09:15 Room acoustic parameters – define new ones (Concert hall)**
Hands-On exercise
- 10:00 Grid responses and colour scales**
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 Scattering, echo, focusing**
Hands-On exercise
- 11:45 Flutter echo (sports hall case, PVC walls)**
Presentation
- 12:30 Lunch**
- 13:30 The material calculator**
Hands-On exercise
- 14:00 Modelling traffic noise (reflection paths and diffraction)**
Hands-On exercise
- 14:45 Coffee Break**
- 15:00 Cases from participants**
- 16:30 End of day 2**