



Advanced training & practical applications in earthquake engineering

Summary

The aim of this course is to learn the fundamental knowledge concerning earthquake-resistant design, or seismic calculation, seismic risks, applied dynamics through to seismic design. A theory class and interactive workshops alternate to achieve this aim. The course has been developed by the 'Earthquake Resistant Structures Research Group' led by Professor Ihsan Bal.

Content

A theory class is provided in the morning, and interactive workshops with substantial practical applications in the afternoon. A considerable amount of theory knowledge is dealt with in a relatively short time. In addition, workshops are organised for reinforcing and enhancing the required knowledge. Building equipment is employed during the workshops and practice hours, such as a professional vibrating table, laser-guided movement sensors, accelerometers, and mock-ups of building sections.

During the course you learn more about: seismology, seismic hazard assessment, strong ground motion, dynamics of structures, earthquake motions in structural dynamics, earthquake spectra and basics.

Completion

The following condition applies for gaining proof of participation:

- being present on the course days (full course hours)

Instructors

This six-day course (one day a week) is provided by the following team:

- Prof. Ihsan Bal
- senior lecturer Eleni Smyrou
- senior construction project leader/designer Jelle Pama - PhD student TBA

All are members of the Earthquake Resistant Structures Research Group of the Hanze University of Applied Sciences, Groningen, led by Prof. Ihsan Bal.

Praktische informatie

Target group

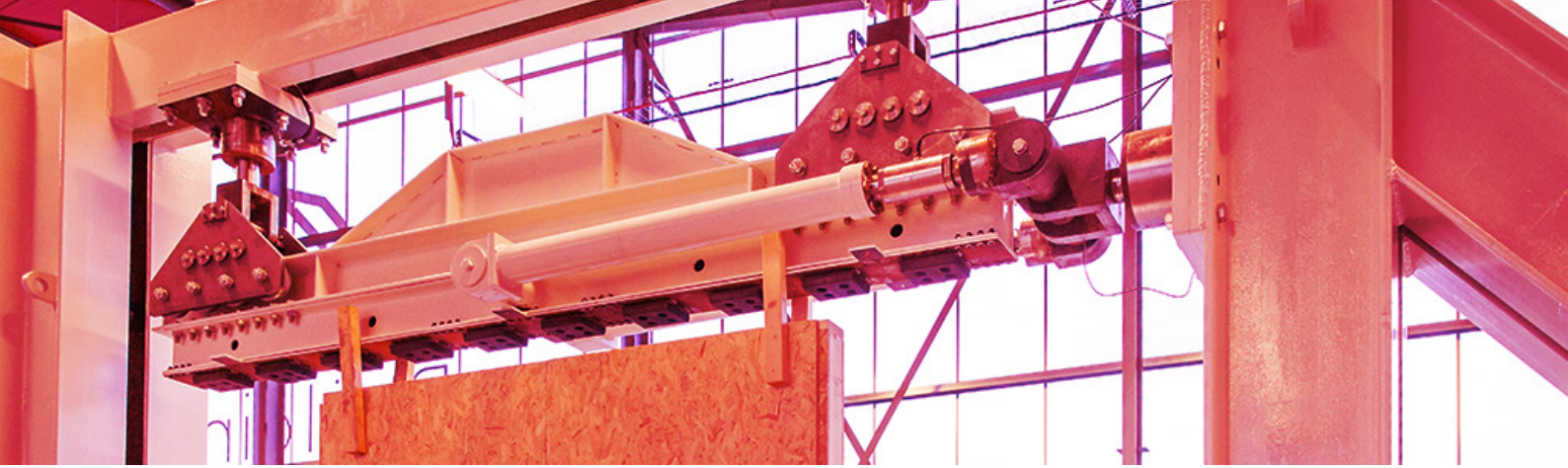
Senior structural engineers, project leaders of engineering agencies, construction companies, housing construction corporations, authorities.

Intake level

Graduate in architecture or civil engineering (specialisation in construction), with a least five years of work experience. The language used in the course is English.

Intake requirements

We ask for your CV to demonstrate your intake level on registering.

**Course dates**

You can enrol for this course using the registration form on the website.

Costs breakdown

The fees for the course are €2,995 per person excluding VAT. These costs include coffee, tea and lunch.

Location

The course is held at EnTranCe and BuildinG, Zernikelaan 17, Groningen.

The morning programme takes place in EnTranCe classrooms. Workshops and experiments in the afternoon take place in the BuildinG testing hall.

Group size

The groups consists of a minimum 18 and a maximum 24 participants.

Aanmelden

You can register for the course through our website www.epi-kenniscentrum.org. You will find a registration form on the relevant course page. For more information please get in touch by email: planning@epi-kenniscentrum.org or by telephone: 088 334 22 80.

Your training needs

Would you prefer the course to be in-company? Or are you thinking about a course that's not on our website? Customisation is possible for almost every training-related query. For more information, get in touch with the EPI-kenniscentrum and/or request a quotation with no obligation.