

Vak: Digital Electronics 2

credits: 2

Vakcode ELVP19ADIG2
Naam Digital Electronics 2
Studiejaar 2020-2021
ECTS credits 2
Taal Engels
Coördinator P.J. Kamphuis

Werkvormen Hoorcollege
Practicum / Training
Toetsen Digital Electronics 2 - Schriftelijk, organisatie
tentamenbureau
Digital Electronics 2 Labs - Vaardigheidstoets

Leeruitkomsten

The student is able to:

- design and build shift registers and counters using standard memory elements;
- design and build state machines with hardware;
- explain the principle of a state machine.

Inhoud

During this unit the student will learn about Boolean algebra, combinatory logic and state machines. This will enable the student to understand the architecture and internal operation of a CPU and its peripherals.

During the theory lessons a few practical's are performed. (Practical is not graded).

Opgenomen in opleiding(en)

Elektrotechniek Major Sensor Technology

School(s)

Instituut voor Engineering

share your talent. move the world.