

EE-330

IC design II

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Cursus	Sem.	Type
Electrical and Electronical Engineering	BA6	Obl.
HES - EL	E	Obl.

Language of teaching	English
Credits	3
Session	Summer
Semester	Spring
Exam	Written
Workload	90h
Weeks	14
Hours	3 weekly
Courses	2 weekly
Exercises	1 weekly
Number of positions	

Summary

This course aims to introduce the key design principles for digital integrated circuits.

Learning Prerequisites**Recommended courses**

CS-171, EE-331, EE-332, EE-320

Learning Outcomes

By the end of the course, the student must be able to:

- Design key components of digital integrated circuits
- Interpret various transistor-level design decisions
- Analyze the operation of key digital ICs

Transversal skills

- Assess one's own level of skill acquisition, and plan their on-going learning goals.
- Use both general and domain specific IT resources and tools

Resources**Ressources en bibliothèque**

- [CMOS Digital Integrated Circuits / Kang](#)