

電気情報工学科（後期）  
計算理論  
**Theory of Computation**

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**Instructor:**

Prof. Kai Cai      Email: kai.cai@eng.osaka-cu.ac.jp

Office hour: after each lecture or by email appointment

**Lecture schedule:**

Day and Time	Location
Tuesdays 14:45-16:15	Engineering Building B-113

**Course website:**

<https://control.eng.osaka-cu.ac.jp/teaching/compute2018>

**Textbook / Reference:**

Lecture notes in class will cover all contents. Two excellent references are:

M. Sipser, "Introduction to the Theory of Computation", Course Technology, 2012.

J.E. Hopcroft, R. Motwani, J.D. Ullman, "Introduction to Automata Theory, Languages, and Computation", Addison Wesley, 2006.

**Prerequisites:**

None

**Homework:**

Homework will be assigned once in two weeks. Homework is to help you exercise what you learn in class. Submission is not mandatory, though encouraged. Submitted homework will be marked.

**Grading:**

Midterm test (2018.12.18, tentative)	50%
Final test (2019.01.29, tentative)	50%