

# Compiler Construction

~ Course Overview ~

# Practical Information

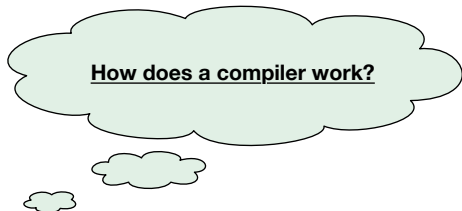
- **Teachers:**

- ▶ Paris: [mael.cravero@epita.fr](mailto:mael.cravero@epita.fr) / [ghiles.ziat@epita.fr](mailto:ghiles.ziat@epita.fr)
- ▶ Paris(en): [jim.newton@epita.fr](mailto:jim.newton@epita.fr)
- ▶ Lyon: [loic.blet@epita.fr](mailto:loic.blet@epita.fr)
- ▶ Rennes: [fabrice.hesling@epita.fr](mailto:fabrice.hesling@epita.fr)
- ▶ Strasbourg: [paul.hervot@epita.fr](mailto:paul.hervot@epita.fr)
- ▶ Toulouse: [nicolas.nalpon@epita.fr](mailto:nicolas.nalpon@epita.fr)

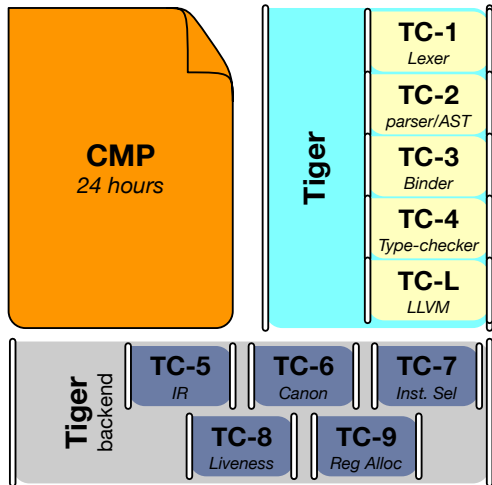
- **Ressources:**

- ▶ [Moodle](#)
- ▶ [Slides](#)

# The goals

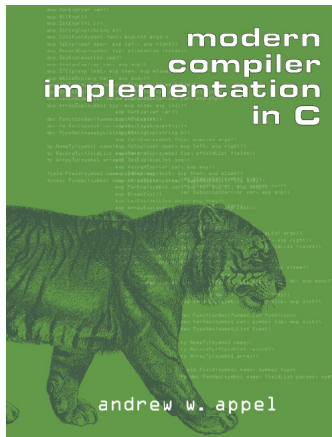
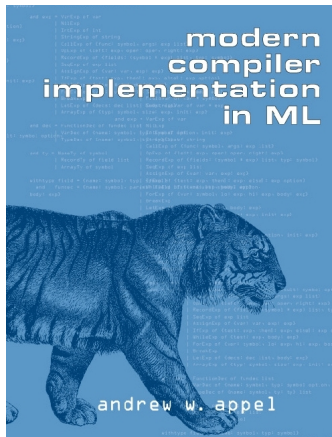
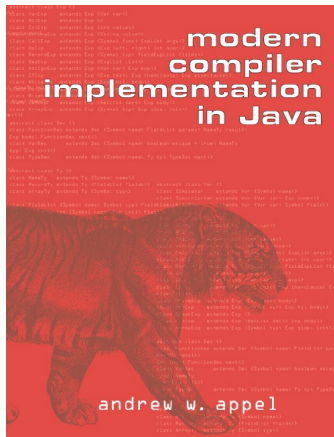


# The course



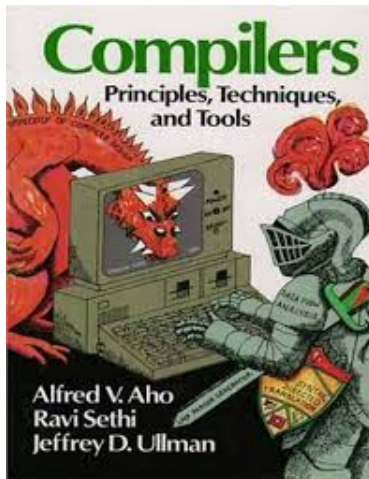
<https://assignments.lrde.epita.fr/>

# Must Read (1/2)



A. W. Appel, *Modern Compiler Implementation in \**, 1998

## Must Read (2/2)



A. V. Aho, R. Sethi, J. D. Ullman, *Compilers: Principles, Techniques and Tools*, 1986

# The evaluation

- A final exam (30%)
- The Tiger Compiler project (70%)
  - ▶ Grading details on Moodle
- The Tigrou workshop (5% bonus)
  - ▶ Small exercises to get familiar with the Tiger language

# Summary

- A core Compiler Construction curriculum
  - ▶ A unique opportunity to discover how compilers are working
- 5/6 maintainers per year
- 2 publications in international conferences ([ITICSE'08](#) and [SAC'09](#))
- 3 past teachers:
  - A. Demaille:
    - ▶ Bison maintainer
    - ▶ @Faveod
  - R. Levillain: @Google (ART)
  - E. Renault: @SiPearl