

# Compiler Design

Nai-Wei Lin

Department of Computer Science  
and Software Engineering  
National Chung Cheng University

# Content

- Instructor information
- Course description
- Text book
- Assignments and exams
- Grading
- Course policies

# Instructor Information

- Nai-Wei Lin, 林迺衛
- Office: EA502
- Phone: 272-0411 ~ 33110
- E-Mail: naiwei@cs.ccu.edu.tw
- HomePage:  
<http://www.cs.ccu.edu.tw/~naiwei/>
- Office Hour:  
11:30~12:00, Monday & Wednesday

# Course Description

- A compiler is a program that automatically translates programs written in a language into programs written in another language.
- This course introduces the principles and techniques of constructing compilers and constructing compiler-generators.
- This course includes a programming project that uses the compiler-generators ANTLR to construct a compiler for a small programming language.

# Text Book

- A. V. Aho, M. S. Lam, R. Sethi and J. D. Ullman, Compilers: Principles, Techniques, and Tools, Second Edition, Addison-Wesley, 2007.

# Assignments and Exams

- There are 6~8 written assignments.
- There are 3 programming projects.
- Midterm Exam: EA 205, 10:15~11:30, Wednesday, April 21, 2021.
- Final Exam: EA 205, 10:15~11:30, Wednesday, June 23, 2021.

# Grading

- Written Assignments: 20%
- Programming Projects: 20%
- Midterm Exam: 30%
- Final Exam: 30%

# Course Policies

- Without a prior arrangement, a missed examination results in a grade of 0. No make up examination is available.
- The grade for a late assignment is deducted by 5 points for each day delayed. The grade for a late assignment is 0 if it is delayed more than 7 days.
- Every assignment needs to be turned in. A miss of an assignment results in a grade of F for the semester.



# Course Policies

- Assignments in this course require individual attention and effort to be of any benefit. Unless otherwise stated on the assignment sheet, all assignment work is expected to be that of each student alone, and not the product of team efforts or collaboration with other authors. Plagiarism or the incorporation of another student's words or ideas constitutes theft of intellectual property; it will result in a grade of 0 for the semester.