

# CS 420 - Compilers

Dr. Chen-Yeou (Charles) Yu

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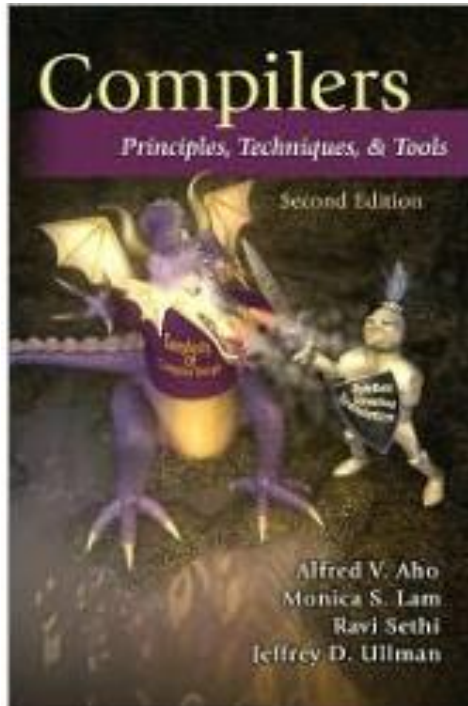
# About this course

- Hour / Location

- 9:00 am - 10:20 am      TR      Violette Hall 1328

# About this course

- Course content and textbook
  - Textbook (recommended, but is not required)
    - Alfred V. Aho, Monica S. Lam, Ravi Sethi, and Jeffrey D. Ullman, "Compilers: Principles, Techniques, and Tools", 2nd Edition, Addison-Wesley, 2007.



# About this course

- Course content --- In this class, you will learn:
  - Introduction (Ch.1)
  - Syntax Translator (Ch.2)
  - Lexical Analysis (Ch.3)
  - Syntax Analysis (Parsing) (Ch.4)
  - Syntax-Directed Translation (Ch.5)
  - Intermediate Code Generation (Ch.6)
- I will try to get rid of the advanced topics, i.e. optimizations, because we won't have enough time to go through that very detail.
- We will use C or Java to introduce high level, algorithmic idea in the compiler

# Grading

- Hand-written homework
  - I would prefer you to type
- Programming homework
  - I will give you the requirements about the programs in each of the homework
    - This is called program specs
- Quizzes
  - We DO NOT have “Big Exams” that is going to harm your scores easily.
  - We do have a couple of quizzes and mostly are in the classroom
    - About 10 mins(T/F, multiple choices, short answer)
  - How many? I have no idea...let's see...

# Grading

- Bonus
  - Q&A (pop-up questions) in classroom. If you can answer that, I will take down your name

# Grading

- Ranges (I never gave someone a “F”)
  - 100-90% A
  - 89-80% B
  - 79-70% C
  - 69-60% D
  - 59-below F
- How to?
  - In each of the single homework or a quiz, it is only worthy of 5 points , 7 points or 10 points (or it could be 3 points for full credits).
  - All your homework or quizzes will be added up together by the end of the semester.
  - And this will be your FINAL score!



# Class Attendance

- The General Catalog states:
  - The university expects students to attend all classes, yet recognizes co-curricular opportunities could lead to class absences. Faculty, students, and staff have the responsibility to support an environment that upholds the integrity of a Truman education and student's ability to experience a diversity of educational experiences. Truman adheres to Federal law regarding accommodations. Absences related to disability accommodations will be handled in coordination with the Disability Services Office. Absences related to Title IX will be handled in coordination with the Institutional Compliance Office.
  - I do not count the class attendance in your final score but...
    - You need to figure out how to do the homework, quizzes and survive in the class!