**Syllabus**

* Week 1
  + Jan. 21: Introduction ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture1.pdf))
* Week 2
  + Jan. 26: Structured Computers ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture2.pdf)) (Please read Chapter 1 in the Tanenbaum's Textbook before class!)
  + Jan. 28: No class due to the conference traveling
* Week 3
  + Feb. 2: Computer Components ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture3.pdf)) & Quantifying Computer Components ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture4.pdf))
  + Feb. 4: CPU ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture5.pdf)) (Please read Chapter 2 in the Tanenbaum's Textbook before class!) (HW1 Due)
* Week 4
  + Feb. 9: Memory ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture6.pdf)) (Quiz 1 for Chapter 1)
  + Feb. 11: Error Correcting Codes ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture7.pdf))
* Week 5
  + Feb. 16: Secondary Memory ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture8.pdf))
  + Feb. 18: Input/Output ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture9.pdf))
* Week 6
  + Feb. 23: ISA ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture10.pdf)) (Please read Chapter 5 in the Tanenbaum's Textbook before class!)
  + Feb. 25: Addressing ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture11.pdf)) (HW2 Due)
* Week 7
  + Mar. 2: Instruction Types ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture12.pdf)) (Quiz 2 for Chapter 2)
  + Mar. 4: Flow of Control ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture13.pdf))
* Week 8
  + Mar. 9: Spring Vacation
  + Mar. 11: Spring Vacation
* Week 9
  + Mar. 16: Midterm Exam (Chapter 1 & 2)
  + Mar. 18: IA-64 ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture14.pdf))
* Week 10
  + Mar. 23: Binary Number ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture15.pdf)) (Please read Appendix A in the Tanenbaum's Textbook before class!) (HW3 Due)
  + Mar. 25: Floating-Point Number ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture16.pdf)) (Please read Appendix B in the Tanenbaum's Textbook before class!)
* Week 11
  + Mar. 30: Introduction of Assembly Language ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture17.pdf)) (Quiz 3 for Chapter 5) (Please read Chapter 7 before class!)
  + Apr. 1: Tanenbaum Assembler Installation (By GTA) ([Tanenbaum Assembler](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/Tanenbaum%20Assembler.zip)) ([InstallationGuide](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_InstallationGuide.pdf)) (HW4 Due)
* Week 12
  + Apr. 6: Macro ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture18.pdf))
  + Apr. 8: Assembly Language Programming ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture19.pdf)) (Quiz 4 for Appendix A & B)
* Week 13
  + Apr. 13: Assembly Process ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture20.pdf))
  + Apr. 15: Linking and Loading ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture21.pdf)) (PA1Due)
* Week 14
  + Apr. 20: Registers ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture22.pdf))
  + Apr. 22: Assembler and Tracer ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture23.pdf))
* Week 15
  + Apr. 27: Addressing and Subroutine ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture24.pdf)) (HW5Due)
  + Apr. 29: Summary of Basic Instructions ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture25.pdf)) (Quiz 5for Chapter 7)
* Week 16
  + May 4: Loops and Boolean Operations ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture26.pdf)) (PA2Due)
  + May 6: Final Review Class: ([Slides](http://ranger.uta.edu/%7Ehuang/teaching/CSE2312/CSE2312_Lecture27.pdf)) (Last Class)
* Week 17
  + May. 11: Final Exam 2:00-4:30pm