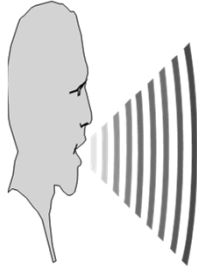EEL 3701: Digital Logic & Computer Systems
Class 42 — Thur, 18Apr24

- Today's Handouts:
  - >www: Lab 7; ends Fri, 19 Apr
  - > www: HW 12; due never
    - We went over this HW in class on Tues, 16 Apr
  - >www: Final Exam Info
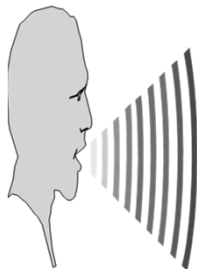- Evaluations by Tues, 23 Apr!
- **Today:**
  - >**No class today!**

Questions?

Final Exam:
- **REMOTE**
- Sat, 27 Apr
- 3:00pm
- Honorlock w/ Zoom

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EEL 3701: Digital Logic & Computer Systems
Class 40-41 — Tues, 16Apr24

- Today's Handouts:
  - > www: Lab 7; ends Fri, 19 Apr
  - > www: HW 12; due never (but finish before Tues, 16 Apr)
    - We will go over it in class on Tues, 16 Apr
  - > www: Practical 2 Info
    - www: Instructions extracted from Practical 2
- Evaluations by Tues, 23 Apr!
- **Today:**
  - > Creating new GCPU instructions:
    - DECA, INCA, DECB, INCB
    - Sum_BA_wC, Sum_AB_wC
    - Carry output flag, Carry input
    - BC, BNC, BRA, others?
    - New **ZERO** flags & **NEG** flags
  - > HW 12 solutions
  - > **Example IDE (Microchip/ Atmel Studio)**
    - Editor, Assembler, Simulator, Emulator

FSU Admissions

Questions?

No class Thursday, 18 April

Practical 2:
- **REMOTE**
- Wed, 17 Apr 8:20pm
- Honorlock w/ Zoom

Final Exam:
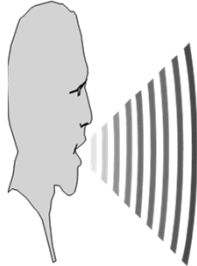- **REMOTE**
- Sat, 27 Apr
- 3:00pm
- Honorlock w/ Zoom

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EEL 3701: Digital Logic & Computer Systems
Class 39 — Thur, 11Apr24

- Today's Handouts:
  - > www: Lab 6; ends Fri, 12 Apr
    - – This lab **CANNOT** be dropped!
  - > www: Lab 7; starts Mon, 15 Apr
  - > www: HW 12; due never (but finish before Tues, 16 Apr)
    - – We will go over it in class on Tues, 16 Apr
  - > www: Practical 2 Info
- **Drop deadline: Fri, 12 Apr, 11:59pm**
- **Today:**
  - > GCPU: "Bring" GCPU handouts to class **all** classes
  - > Lab 7 questions; Simulate GCPU
  - > Programming example
    - – Find the number of 37's in a table
      - ▪ Use G-IDE as editor, assembler, simulator
  - > GCPU instructions/flowchart

Questions?

Suggested courses:
4744, 4712,
After 4744: uP-2, 4511
After 4712: 4713, 4720
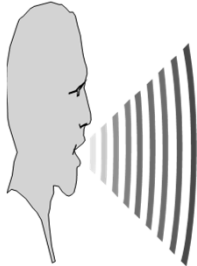EML2023 (CAD)

Practical 2:
- **REMOTE**
- Wed, 17 Apr 8:20pm
- Honorlock w/ Zoom

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EEL 3701: Digital Logic & Computer Systems
Class 37-38 — Tues, 9Apr24

- Today's Handouts:
  - > www: Lab 6; starts Mon, 8 Apr
    - – This lab **CANNOT** be dropped!
  - > www: Lab 7; starts Mon, 15 Apr
  - > www: HW 12; due never (but finish before Tues, 16 Apr)
    - – We will go over it in class on Tues, 16 Apr
- **Drop deadline: Fri, 12 Apr, 11:59pm**
- **Today:**
  - > Lab 7 discussion; Simulate GCPU
  - > Lecture **24**: GCPU, Comp Org, …, Assembly, **…**
    - – "Bring" GCPU handouts to class **all** classes
    - – GCPU Architecture (continued)
      - ▪ GCPU hardware/documentation (after ALU)
    - – Example: better Phone.asm
      - ▪ Hand assemble
      - ▪ Use G-IDE (Editor, Assembler, Simulator)
        - • See ROM.mif, RAM.mif
    - – More on branch instructions
    - – Un-archive the GCPU
    - – GCPU instructions/flowchart

Questions?

Suggested courses:
4744, 4712,
After 4744: uP-2, 4511
After 4712: 4713, 4720
EML2023 (CAD)

Practical 2:
- **REMOTE**
- Wed, 17 Apr 8:20pm
- Honorlock w/ Zoom

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