EEL3701: Digital Logic & Computer Syste...

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7th Enhanced

5th edition

Charles H. Roth Jr., **_Fundamentals of Logic Design_**, *Enhanced Edition, 7th edition*, Cengage Learning, Stamford, Connecticut, 2021. (**NOT** the international edition.)

Charles H. Roth Jr., **_Fundamentals of Logic Design_**, *7th edition*, Cengage Learning, Stamford, Connecticut, 2014. (**NOT** the international edition.)

Charles H. Roth Jr., **_Fundamentals of Logic Design_**, *6th edition*, Cengage Learning, Stamford, Connecticut, 2009. (**NOT** the international edition.)

Charles H. Roth Jr., **_Fundamentals of Logic Design_**, *5th edition*, Thomson Brooks/Cole Publishing, Belmont, California, 2004.

6th edition

Note: You do **NOT** need the CD

7th edition

- CENAGE (https://www.cengage.com/)
  - > 7th **ENHANCED**: https://tinyurl.com/Roth-7th-enh
  - > 7th enhanced or 7th: E-Rent: $45
- UF bookstore (bkstr.com/floridastore)
  - > 7th Enhanced: E-Rent: $47
  - > 7th Rent used: $120

- Amazon (www.amazon.com)
  - > E 7th: E-Rent: $50; Used: $46
  - > 7th: E-Rent: $50; Used $29
- Ebay (www.ebay.com)
  - > **5th: Used: $6**
  - > 6th: Used: $23; 7th: $32
- AbeBooks (www.abebooks.com)
  - > 5th: Used: **$7**; 7th: $31

International edition is NOT recommended

| As of |
| 22 Nov 2024 |

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EEL3701: Digital Logic & Computer Systems
Recommended – and **FREE**

H. Lam, and J. O'Malley, *Fundamentals of Computer Engineering: Logic Design and Microprocessors, 1st edition*, 1988, John Wiley and Sons, New York.

- > ISBN: 0471610747
- > Chapters 1-7 are **NOW** available on our website's (i.e., for **FREE**) Software/Docs (and at https://tinyurl.com/UF-Lam)
- > I used a Google search and found a link for several for under $10

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EEL3701: Digital Logic & Computer Systems
Purchases

- Hardware purchases
  - \>Lab parts are paid for with your lab fee ($11.16).
    - –Breadboard, some ICs, and a few miscellaneous items
  - \>You **might** need: USB Port Expander or USB converter, speaker(s)
    - – You will get two USB connected items for our labs. One requires a USB-A type port on your computer and the other need a USB-C type port on your computer.
      - ☞The **DE10-lite** comes with a type A male to type B male USB cable (with the type B male USB side plugged into the DE10-lite and the type A male side plugged into the USB computer port).
      - ☞The new **DAD-3** has a USB-C cable (male to male). (Older DADs [DAD-1 and DAD-2] have USB-A connection to the PC.)
    - – No headphones or earbuds allowed in Honorlock
- Textbook purchase
  - \> Can/should be shared
  - \> Buy it **used**

EEL3701: Digital Logic & Computer Systems
Digilent Analog Discovery 3 (DAD)

- The **DAD** (**D**igilent **A**nalog **D**iscovery) is required for many UF EE & CpE courses
  - \>Digilent (www.digilent.com) created the boards and still sells them. The bookstore may have some in stock.
  - \>The DAD-3 is now distributed to all 3701 students during their first lab (Lab 0). All students will return these devices eventually.
    - – ECE and CpE students will keep them until completing their last ECE/CpE course, just prior to graduating.
    - – Students with other majors will return them at the end of the semester.

EEL3701: Digital Logic & Computer Systems
DE10-lite

- The DE10-lite is a PLD PCB sold by Terasic.
  > See http://tinyurl.com/DE10-10-s24.
- Students will also be given a DE10-lite PLD PCB.
- **All** students will return the DE10-lite near the end of the semester, at their last lab.

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EEL3701: Digital Logic & Computer Systems
Slack Required!

- If you have not done so already, join our Slack workspace with a link sent previously (by email).
  > Our slack workspace eel3701.slack.com.
  > Sign up using a **UF email**; use your **FULL** name.
  > Announcements about course events and changes in scheduling are done the **#announcements** channel
  > Ask questions in channel **#help**
  > Find office hour updates in the **#office-hour-info** channel
  > Have fun in the **#random** channel
    – Keep it clean, since I'll read it!

3701 Slack Rules

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