



## EEL3701: Digital Logic & Computer Systems

### Share, Borrow, Buy or Rent Textbook

(ISBN-13: E7<sup>th</sup>: 9780357381861, 9780357381830, 7<sup>th</sup>: 9781133628477, 6<sup>th</sup>: 9781111781392, 5<sup>th</sup>: 9780534378048)  
 (ISBN-10: E7<sup>th</sup>: 0357381866, 7<sup>th</sup>: 1133628478, 6<sup>th</sup>: 0495471690, 5<sup>th</sup>: 0534378048)

**7<sup>th</sup> Enhanced**  
 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.

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

- CENAGE (<https://www.cengage.com/>)
  - > 7<sup>th</sup> or 7<sup>th</sup> **ENHANCED**: E-Rent: \$59
  - <https://tinyurl.com/Roth-7th-enh>
- UF bookstore ([bkstr.com/floridastore](http://bkstr.com/floridastore))
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- UF All access (7E)
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- Amazon ([www.amazon.com](http://www.amazon.com))
  - > 7<sup>th</sup>: Used: 50; E-rent: \$87
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  - > 5<sup>th</sup>: Buy used: **\$4**
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- AbeBooks ([www.abebooks.com](http://www.abebooks.com))
  - > 5<sup>th</sup>: Used: **\$9**; 6<sup>th</sup>: Used: **\$8**; 7<sup>th</sup>: \$31

**International edition is NOT recommended**

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•5



## 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.

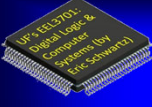
- > ISBN: 0471610747
- > Chapters 1-7 are **NOW** available on our website's (i.e., for **FREE**) Software/Docs (and at <https://tinyurl.com/UF-Lam>)
- > I used a Google search and the best price I found was for \$11 used.

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•6



## EEL3701: Digital Logic & Computer Systems

### Purchases

- Hardware purchases (in addition to your \$40.00? lab fee).  
**Details are on syllabus.**
  - > You need to purchase items (details later) that are **NOT** part of your lab fees.
    - Breadboard, two of each ICs (74HC00 and 74HC02), two DIP switches, two DIP LEDs, two SIP resistors, two DIP resistors, an SPDT switch, two axial resistors, and a ribbon of jumper wires.
  - > 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**.

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•7



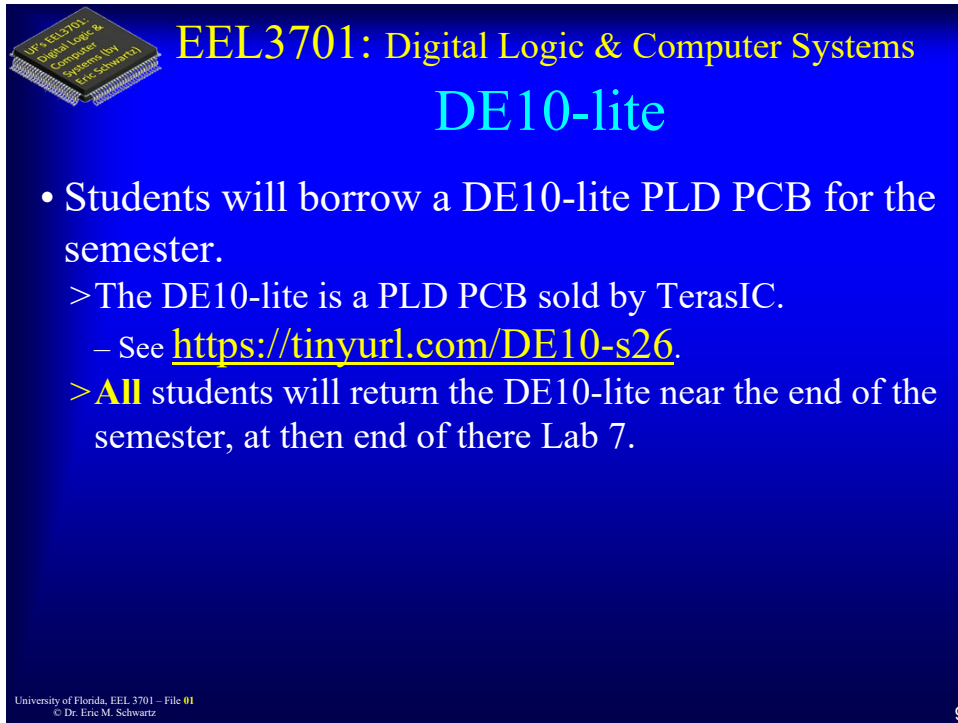
## EEL3701: Digital Logic & Computer Systems

### Digilent Analog Discovery 3 (DAD)

- Students (who don't already have one) will borrow a **DAD** (**D**igilent **A**nalog **D**iscovery).
  - > The DAD is required for many UF EE & CpE courses
  - > 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 near the end of the semester.
  - > The boards are available from Digilent ([www.digilent.com](http://www.digilent.com)).
    - The UF bookstore may have some in stock.
  - > The UF Marston Science Library has two DAD 2 devices available for one-week checkout (<https://uflib.ufl.edu/find/tech-tools/>).

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•8



**EEL3701: Digital Logic & Computer Systems**  
**DE10-lite**

- Students will borrow a DE10-lite PLD PCB for the semester.
  - > The DE10-lite is a PLD PCB sold by TerasIC.
    - See <https://tinyurl.com/DE10-s26>.
  - > **All** students will return the DE10-lite near the end of the semester, at the end of their Lab 7.

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•9



**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](https://eel3701.slack.com).
  - > Sign up using a **UF email**; use your **FULL** name.
  - > Announcements about course events and changes in scheduling are done in 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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•10