

## **SUMMER I 2025 BOOKLIST**

Dates: May 27, 2025 - July 7, 2025

***Recommendation: please consult with the course instructor before purchasing any material.***

**2024** Hambley, Allan R., **Electrical Engineering Principles and Applications** (7E), New York: Pearson (2017), ISBN: 9780134484143.

**Required Hardware:**

The Lab-in-A-Box kit previously used in ECE 1004.

**2714** Oppenheim, A. V., Willsky, A. S., and Nawab, S. H. **SIGNALS AND SYSTEMS**. ii, Pearson, 1996, 1000. ISBN: 9780138147570

**3004** Charles K. Alexander and Matthew N. O. Sadiku, **Fundamentals of Electric Circuits**, 7th edition, McGraw-Hill. ISBN: 9781260226409

## **SUMMER II 2025 BOOKLIST**

Dates: July 8, 2025 - August 15, 2025

***Recommendation: please consult with the course instructor before purchasing any material.***

- 1004** Hambley Allan R., **Electrical Engineering Principles and Application** (7E), New York: Pearson (2017), ISBN: 9780134484143.
- 2214** Ellingson, Steven W. **ELECTROMAGNETICS** (I). i, Blacksburg, VA: VT Publishing, 2018, 225. (Available at: [Electromagnetics, Volume 1 CC BY-SA 4.0](#) ) **Author offers free access to this book.**
- Neamen, D. A. **MICROELECTRONICS CIRCUIT ANALYSIS AND DESIGN**. iv, New York: McGraw-Hill Education, 2009, 1392. ISBN: 9780073380643.

### **Required Course Materials:**

The Lab-in-A-Box kit, previously used in 1004 and 2024.

## **12-week SUMMER COURSES 2025 BOOKLIST**

Dates: May 27, 2025 - August 15, 2025

*Recommendation: please consult with the course instructor before purchasing any material.*

- 5480** Pfleeger, Charles P., Shari Lawrence Pfleeger, and Lizzie Coles-Kemp. 2024. **Security in Computing**. Sixth edition. (1040 pages) . Boston: Addison-Wesley Professional. ISBN: 9780137891214 (on-line – MIT only)

Available free online:

<https://www.oreilly.com/library/view/-/9780137891375/>

- 5484** Null, Linda (2024). **The Essentials of Computer Organization and Architecture**. Sixth edition. Burlington, Massachusetts: Jones & Bartlett Learning. Hard copy ISBN: 9781284259438

Free at VT Libraries online ISBN: 9781284259445. [Essentials of Computer Organization and Architecture - Virginia Polytechnic Institute and State University \(exlibrisgroup.com\)](#) (on-line – MIT only)