

## **SUMMER I 2024 BOOKLIST**

Dates: May 20, 2024 - June 28, 2024

***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: 978-0138147570

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

**3105** Ellingson, Steven W. (2018) **Electromagnetics, Vol. 1**. Blacksburg, VA: VT Publishing. ISBN: 9780997920192.

<https://doi.org/10.21061/electromagnetics-vol-1> Link to book. Free for students.

### **Recommended:**

Fawwz T. Ulaby, Umberto Ravaioli, **Fundamentals of Applied Electromagnetics**, 8th edition, Pearson. ISBN 978-0135199008. **NOTE: This ISBN is for the Pearson etext access card.**

**5554** Gonzalez & Woods, **Digital Imaging Processing**. 4th edition, Pearson. ISBN: 9780133356724

## **SUMMER II 2024 BOOKLIST**

Dates: July 1, 2024 - August 9, 2024

***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: 978-0134484143.

**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 2024 BOOKLIST**

Dates: May 20, 2024 - August 9, 2024

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

- 5480** Pfleeger, C., Pfleeger, S., & Margulies, J. (2015). **Security in Computing**, 5th ed. Prentice Hall. Pp. xxxiii, 944. ISBN: 978-0134085043 (**online – MIT only**)
- 5484** L. Null and J. Lobur, **The Essentials of Computer Organization and Architecture**, 5<sup>th</sup> edition, Jones and Bartlett Publishers. ISBN 978-1284123036 (**on-line – MIT only**)