

SUMMER I 2022 BOOKLIST

Dates: 23-MAY-2022 - 01-JUL-2022

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

- 2564** **No textbook required.** All required materials will be made available electronically
- 2714** Oppenheim, A. V., Willsky, A. S., and Nawab, S. H. **SIGNALS AND SYSTEMS**. ii, Pearson, 1996, 1000. ISBN: 978-0138147570 or ISBN-10:0138147574
- 3004** Charles K. Alexander and Matthew N. O. Sadiku, **Fundamentals of Electric Circuits**, 6th edition, McGraw-Hill. ISBN: 978-0078028229.
- 3105** Ellingson, Steven W. (2018) **Electromagnetics, Vol. 1**. Blacksburg, VA: VT Publishing.
<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.**
- 4424** **No textbook required.** Course taught by a CS instructor.

SUMMER II 2022 BOOKLIST

Dates: 06-JUL-2022 - 12-AUG-2022

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: 978-0073380643.

Required Course Materials:

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

2804 **No textbook required.**

3574 David Thomas and Andrew Hunt. The Pragmatic Programmer. Addison-Wesley, 2nd edition, 2019. ISBN 978-0135957059.

5424/5824 cross-listed with CS

Kevin Murphy, Machine Learning: A Probabilistic Perspective, MIT Press, 2012. ISBN 9780262018029. **(Cross-listed with CS)**

5554 Richard Szeliski, Computer Vision: Algorithms and Applications, 1E. Springer-Verlag, 2011. ISBN 978-1848829343.

Book available for free in a PDF format: <http://szeliski.org/Book/>

12-week SUMMER COURSES 2022 BOOKLIST

Dates: 23-MAY-2022 - 12-AUG-2022

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**, 5th edition, Jones and Bartlett Publishers. ISBN 978-1284123036 **(on-line – MIT only)**