

SUMMER I 2020 BOOKLIST

Dates: 26-MAY-2020 - 02-JUL-2020

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

2214 Ellingson, Steven W. **ELECTROMAGNETICS** (I). i, Blacksburg, VA: VT Publishing, 2018, 225.
(Available at: <https://doi.org/10.21061/electromagnetics-vol-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.

2564 **No textbook required.** All required materials will be made available electronically

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 e-text access card.**

3614 Ali Grami, **Introduction to Digital Communications**, Academic Press(Elsevier), 2015. ISBN 978-0124076822.

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/>

SUMMER II 2020 BOOKLIST

Dates: 08-JUL-2020 - 14-AUG-2020

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.
- 2574** Carrano and Prichard, **Data Abstraction and Problem Solving with C++: Walls and Mirrors**, 7th edition. PEARSON. ISBN 978-0134463971.
Optional: Robert Sedgewick, **Algorithms in C++, Parts 1-4**, 3rd edition, Addison-Wesley. ISBN 978-0201350883.
- 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
- 2804** ***No textbook required.***

12-week SUMMER COURSES 2020 BOOKLIST

Dates: 26-MAY-2020 - 14-AUG-2020

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

4534 No textbook required.

5480 Pfleeger, C., Pfleeger, S., & Margulies, J. (2015). **Security in Computing**, 5th ed. Prentice Hall. Pp. xxxiii, 944. ISBN: 978-0134085043 **(on-line – 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)**