FALL 2016
FINAL BOOKLIST


RECOMMENDED:


Writing Guidelines for Engineering and Science Students. Http://www.writing.eng.vt.edu

2054 (Applied Electrical Theory – ME students only)

RECOMMENDED:

2074 RECOMMENDED:


RECOMMENDED:


No textbook required.


Mathworks, *The Student Edition of Matlab*. Distributed in TORG.


No book required.


*Control Systems Toolbox.*


No textbook required.


*Optional:*


*(Video Game Design) – Dr. Hsiao*


No textbook required. Architecture simulators as specified by the instructor.

No textbook required.


*Recommended:*


*Programming the Raspberry Pi: Getting Started with Python Twisted Network Programming Essentials* Both available from Amazon.

Raspberry Pi - Model B (512MB/Revision 2)
Source: Amazon (www.amazon.com) - $36.96
Adafruit (www.adafruit.com) - $39.95
Sparkfun (www.sparkfun.com) - $39.95

16 GB SD Card
Example - SanDisk Ultra 16GB SDHC Class 10/UHS-1
Source: Amazon (www.amazon.com) - $10.99

Wireless 802.11n/Bluetooth USB Adapter
Required - Cirago Bluetooth 3.0 High Speed & Wi-Fi Combo USB Mini Adapter, Class 2 (BTA7300)
Source: Amazon (www.amazon.com) - $26.09

Micro USB Power Supply Charger - 5v 1500ma
Example - USA Raspberry Pi Micro USB Power Supply Charger - 5v 1500ma
Source: Amazon (www.amazon.com) - $5.27

Notes available on-line.


4805 (Senior Design Project)
No required textbook. Several recommended texts listed in syllabus.


5104G David M. Pozar, Microwave Engineering, John Wiley, 4th edition


No textbook required.

*(Power Management for Circuit Energy Harvesting)*

No textbook required. Professor will provide a selection of papers.


*(Taught in Northern VA – Also WebEx for everyone off campus)*


*Reference only:*


No textbook required. On-line course. *(CGEP)*


*Optional:*

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Author(s)</th>
<th>Publisher</th>
<th>Edition</th>
<th>ISBN</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Digital Systems Testing &amp; Testable Design</td>
<td>Miron Abramovici, Melvin A. Greuer, Arthur D. Friedman</td>
<td>IEEE</td>
<td></td>
<td>0780310624</td>
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<tr>
<td>Maurice Herlihy and Nir Shavit, The Art of Multiprocessor Programming</td>
<td>Richard Szeliski</td>
<td>Morgan Kauffman</td>
<td></td>
<td>978-0123973375</td>
<td>(WebEx)</td>
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<tr>
<td>Computer Vision: Algorithms and Applications</td>
<td>Maurice Herlihy and Nir Shavit</td>
<td>Morgan Kauffman</td>
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<td>978-0123973375</td>
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<tr>
<td>No textbook required. Lecture materials provided by the instructor.</td>
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<td>Linear Systems Theory</td>
<td>Rugh</td>
<td>Prentice-Hall</td>
<td>2nd</td>
<td>0-471-71045-8</td>
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<tr>
<td>Linear State-Space Control Systems</td>
<td>Williams and Lawrence</td>
<td>John Wiley</td>
<td>1st</td>
<td>2007</td>
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<tr>
<td>Game Theory in Wireless And Communication Networks: Theory, Models, and Applications</td>
<td>Zhu Han, Dusit Niyato, Walid Saad, Tamer Basar and Are Hjorungnes</td>
<td>Cambridge Univ.Press</td>
<td></td>
<td>2012</td>
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5984 (Cyber-Physical Systems – Zeng)

6104 (Bio-Photonics – Dr. Yunzhui Zhu)


6204 (Nanoelectronics - Xiaoting Jia) No textbook required.

*Reference only:*


6504 (Computational Photography – Dr. Jia-Bin Huang) No textbook required. Reference materials will be used.

6504 (Graph Theoretic Methods in Large-Scale Systems – Ryan Williams) No textbook required.

6504 (Low Power Computing – Dr. Tam Chantem) No textbook required.

7/19/16
recommend (third-person singular simple present recommends, present participle recommending, simple past and past participle recommended). (transitive) To bestow commendation on; to represent favourably; to suggest, endorse or encourage as an appropriate choice. Define recommended. recommended synonyms, recommended pronunciation, recommended translation, English dictionary definition of recommended. v. recÅ·omÅ·endÂ·ed, recÅ·omÅ·endÂ·ing, recÅ·omÅ·ends v. tr. 1. To praise or commend to another as being worthy or desirable; endorse: recommended him for the...Â Recommended - definition of recommended by The Free Dictionary. https://www.thefreedictionary.com/recommended. Printer Friendly.