FALL 2015
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.


*RECOMMENDED:*  


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No book required.


*Control Systems Toolbox.*


No textbook required.


*Optional:*


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  

4605  **Notes** available on-line.  **Course canceled.**  
4664  **Notes and Handouts** provided by professor.  
4675  **Radio Engineering Lab**  
Quadrille lined (5 sqs/in) spiral bound notebook such as National Brand 3-209. Others would be National Brand 33-688, Boorum 09-9870, Vernon McMillan 09-9870. **Course canceled.**  
4805  **(Senior Design Project) – Manzo**  
No required textbook. Several recommended texts listed in syllabus.  
  
  
Optional:

**Network Science - W. Saad**

**Recommended:**


**Introduction to Computer Vision – D. Parikh**


*(Taught at NCR – VTEL to Dahlgren/NIA)*


*Reference only:*


No textbook required. *On-line course.*


*Optional:*


*Optional:*


No textbook required. Lecture materials provided by the instructor. *(CGEP Course)*

*(IT Security & Trust – MIT only)*


Handouts and publication readings provided by the instructor.

(Cyber-Physical Systems – H. Zeng)
Handouts and publication readings provided by the instructor.


(Nanophotonics Science and Technology – Wei Zhou)
No required textbook.

Recommended:


Course canceled.


(Adv Topics in Computers – Deep Learning for Perception – Batra)
No textbook required.

(Adv Topics in Robotics – Pratap Tokekar)
No textbook required.

No textbook required. Lecture notes, assignments, supplemental readings, and other resources will be provided.