Brittany Bunk

Quarter 9, fall 2012

Ele

12 December 2012

Course Names

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| --- | --- | --- | --- | --- | --- |
| **100’s** | | **200’s** | | **594’s** | |
| **#** | **name** | **#** | **name** | **#** | **name** |
| 121a | Practice of Sci | 201b | Electromagnetic Theory II | 1a | Ten Puzzling Prob’s in Comp Engring |
| 121b | Practice of sci | 201c | Antenna Theory | 2a | Circuits, Devices, Sys’s |
| 124a | Very Large Scale Integration Principles | 202a | Transistors | 2b | Circuits, Devices, Sys’s |
| 124b | Semiconductor Device Processing | 205a | Info Theory | 2c | Circuits, Devices, Sys’s |
| 124c | Integrated Circuit Des^Fabrication | 210a | Matrix Analysis, Computations | 4 | Des proj – for freshmen |
| 124d | VLSI Architecture, Des | 210b | # Sim | 15a | Logic des – fund’s |
| 125/225 | High-Speed Digital IC Des | 210c | Finite Diff Schemes For PDE's | 15b | Comp Organization |
| 130a | Signals, sys’s | 210d | Finite Element Method | 594 | Internet Computing, Digital TV |
| 130b | Signal Analysis^Processing | 211a | Quantum Mech | 594a | Mixed Signal Electronics |
| 130c | Signal Analysis^Processing | 219 | CMOS RFIC Des | 594c | Adv Signal Processing for Neurosci |
| 132 | Intro to Solid State Electronic Devices | 220a | Semiconductor Device Processing | 594d | Fourier Analysis for Engr’s/robot locomotion |
| 134 | Intro to Field Theory | 220b | Semiconductor Device Processing | 594i | THz Sci, Tech, Sys’s |
| 137a | Circuits^Electronics I | 220c | Semiconductor Device Processing | 594n | Data Mining |
| 137b | Circuits^Electronics II | 221a | Semiconductor Device Phys I | 594o | Media Interface Tech |
| 139 | Probability, Stats | 221b | Semiconductor Device Phys II | 594q | comp bio-microscopy |
| 140 | Random Processes - for Engring | 224a | VLSI Proj Des | 594r | Biology from an EE perspective |
| 141a | intro to nanotech | 224b | VLSI Proj Des |  |  |
| 141b | MEMS processing | 225 | High-Speed Digital IC Des |  |  |
| 141c | MEMS - Microfluidics, BioMEMS | 227a | Semiconductor Lasers I |  |  |
| 144 | Electromagnetic Fields^Waves | 227b | Semiconductor Lasers II |  |  |
| 145a/218a | Communication Electronics | 227c | Semiconductor Lasers III - Photonic Integrated Circuits |  |  |
| 145b/218b | Communication Electronics | 228a | Fiber Optics |  |  |
| 145c/218c | Communication Electronics | 228b | Optical Networks |  |  |
| 146a | Communications I | 228c | Optical Networks |  |  |
| 146b | Communications II | 229 | sys's - hybrid, switched |  |  |
| 147a | Feedback Control Sys’s - Theory, Des | 230a | Linear Sys’s I |  |  |
| 147b | Digital Control Sys’s - Theory^Des | 230b | linear sys's theory II |  |  |
| 147c | control sys's proj | 232 | robust control - theory, app's |  |  |
| 148 | sig - analy^processing - app's | 234 | control - modeling, ID |  |  |
| 149 | network synthesis - active, passive | 235 | Stochastic Processes in Engring |  |  |
| 150/251 | Mobile Embedded Sys's | 236 | nonlinear control sys's |  |  |
| 151 | Distributed Sys’s | 237 | nonlinear control des |  |  |
| 152a | Digital Des Principles | 238 | Adv Control Des Lab |  |  |
| 152b | Digital Des Methodologies | 240a | Optimal Est, Filtering |  |  |
| 153a/253 | Hard^Software Interfaces, Embedded Sys Des | 241 | Multimedia Compression |  |  |
| 153b | interface des - sensor, peripheral | 242 | Digi Sig Compression |  |  |
| 154 | Intro to Comp Architecture | 243a | Digi Comm |  |  |
| 154a | Comp Arch - Intro | 243b | Adv Digi Comm |  |  |
| 154b | Comp Arch | 245 | Adaptive Filter Theory |  |  |
| 155a | Comp Networks - Intro | 247 | Sys’s ID |  |  |
| 155b | Network Computing | 248 | Kalman and Adaptive Filtering |  |  |
| 156a | VHDL, synth | 249 | Adaptive Control |  |  |
| 156b | Synthesis, CAD | 250 | Wireless - Comm, Networking |  |  |
| 158 | Digital Signal Processing | 252a | Sequential Machines, Automata Theory |  |  |
| 160 | Multimedia Sys’s | 252b | Comp Arithmetic |  |  |
| 162a | Quantum Descr of Electronic Mat’s | 252c | Adv Digi Des |  |  |
| 162b | Fundamentals of Solid-State Phys | 253 | FPGA-Based AES Encryption Processor - Embedded Sys Des Series |  |  |
| 162c | Optoelectronic Mat, Devices | 254a | Adv Comp Arch - Processor Des |  |  |
| 178 | Intro to Digital Image Processing | 254b | Adv Comp Architecture - Parallel Processing |  |  |
| 179d | Robot - Dynamics, Control | 255 | VLSI Testing Techn's |  |  |
| 179p | Robotics - Planning, Schematics | 255a | VLSI Testing Techn’s |  |  |
| 181a | Intro to Robotics | 255b | VLSI Des Validation^Verification - Research Tools^Methodologies |  |  |
| 181b | Intro to Comp Vision | 256a | Des Automation - intro |  |  |
| 181c | Intro to Robotics - Robot Control | 256b/d | Algorithmic Logic Synth |  |  |
| 183 | Nonlinear Phenomena | 257a | Fault-Tolerant Comp |  |  |
| 188a/b | Capstone Ele Des Proj’s | 259a | Digi Speech Processing |  |  |
| 189a/b | Senior Capstone Proj Des | 259b | Fund's Of Speech Recognition |  |  |
| 192 | LITE | 268 | Internet Comp, Web Tech |  |  |
| 194 | Power Electronics | 270 | Game Theory |  |  |
| 194a/594a | CMOS Analog VLSI I | 271a | Principles of Opt |  |  |
| 194b/594r | Engr-Ing For The Developing World | 271b | #-ical Opt Methods |  |  |
| 194bb/594bb | Applied Optimization for Comp Engr’s | 277b | Pattern Recognition |  |  |
| 194c | Sensor Networks, App’s | 278a | Topics in Digital Image Processing |  |  |
| 194d | Robot Dynamics^Control | 281b | Adv Topics in Comp Vision |  |  |
| 194j/594j | High Speed - Mixed Signal^Comm's - IC Des | 282 | Error Correcting Codes |  |  |
| 194o | Embedded Sys Proj |  |  |  |  |
| 199 | Ind Studies |  |  |  |  |

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**links – classes – to enter**

* rest - <http://www.coursehero.com/file/5672802/HW3Solution/>