

ECE Graduate Course Offerings Fall 2010 – Spring 2013

| COURSE | | F 10 | SP 11 | F 11 | SP 12 | F 12 | SP 13 |
|----------|--|------|-------|------|-------|------|-------|
| EECE501 | Analog Circuit Design | X | | X | | X | |
| EECE 502 | Electric Power Systems | | X | | X | | X |
| EECE503 | Electric Drives | | X | | | | X |
| EECE504 | Power Electronics | X | | X | | X | |
| EECE506 | Mathematical Methods in Electrical Engineering | X | | X | | X | |
| EECE507 | Mathematical Methods in Computer Engineering | | X | | X | | X |
| EECE508 | Physics & Tech of Solar Cells | | X | | X | | X |
| EECE510 | Linear & Sampled Data Control Systems | X | | X | | X | |
| EECE513 | Nonlinear Systems Design | | | | X | | |
| EECE515 | Analysis & Design of Control Systems | X | | X | | X | |
| EECE517 | Adaptive Control Systems | | X | | | | X |
| EECE518 | Introduction to Process Control | | | | X | | |
| EECE520 | Digital Signal Processing I | X | | X | | X | |
| EECE521 | Digital Signal Processing | | X | | X | | X |
| EECE522 | Estimation Theory | | | | X | | |
| EECE523 | Data Compression | | X | | | | X |
| EECE527 | Information Theory | | X | | X | | X |
| EECE530 | Introduction to Electro-Optics | X | | X | | X | |
| EECE531 | Electromagnetic Field Theory | | | | | | |
| EECE532 | Advanced Semiconductor Lasers | | | | X | | |
| EECE533 | Electromagnetic Compatibility | | | | | | |
| EECE542 | Wireless Communication System Networks | | | X | | | |
| EECE545 | Digital Communication Systems | X | | X | | X | |
| EECE549 | Free-Space Laser Communication | | | | X | | |
| EECE552 | Computer Design | | | X | | X | |
| EECE553 | Computer Network Architectures | X | | X | | X | |
| EECE560 | Cryptography and Info Security | X | | X | | X | |
| EECE561 | Support Vector Machines | | | | | | |
| EECE562 | Fundamentals of Steganography | X | | | | X | |
| EECE563 | Modern Coding Theory | | | | | | |
| EECE570 | System on a Chip | | X | | X | | X |
| EECE571 | Electronic Properties of Materials | | | | | | |
| EECE572 | Semiconductor Device Design | | | | | | |
| EECE573 | Digital Systems Design | | X | | X | | X |
| EECE574 | VLSI Circuit Design Architectures | X | | X | | X | |
| EECE575 | VLSI System Design | | X | | X | | X |
| EECE577 | Reconfigurable Mixed Signal IC Design | | X | | X | | X |
| EECE616 | Robust Control of Multivariable Systems | | | | X | | |
| EECE619 | Stochastic Control | X | | | | X | |
| EECE629 | Machine Pattern Recognition | | X | | | | X |
| EECE642 | Adaptive Signal Processing | X | | | | X | |
| EECE652 | Parallel Computer Architectures | | | | | | |
| EECE653 | Compiler Techniques For Modern Architectures | | | | | | |
| EECE655 | Advanced Communication Networks | | | | | | |
| EECE657 | Network Security | | X | | | | X |
| EECE658 | Hardware-Based Security | | | | X | | |
| EECE677 | CAD for High-Level Synthesis | | | | X | | |
| EECE679 | CAD for Physical Synthesis | | X | | | | X |
| EECE680A | Seminar in Digital Forensics | | X | | | | X |
| EECE680B | Convex Optimization for EE & CoE | | | | | | |

 = usually offered through distance learning

UPDATED 09/07/10

K:course planning 8 yr.../course planner grad.../tentative grad...