

ECE Course Assignments, Fall 2013 & Winter 2014

3/12/13

| Catalog Nbr | Course Name | sec's | | sec's | | catalog term | |
|----------------|--------------------------------|------------|--------------------------|-----------|--------------------|--------------|--------------------------|
| | | Fall 13 | | Win 14 | | listing | Cross-listing |
| 100 | Engin 100 | 1 | Wakefield | 2 | Yagle, Phillips | | |
| 250 | UARTS 250 | | | 1 | Winful | | |
| 390 | Engin 390 (Imagine, create) | 1 | Singh | | | | |
| 203 | Discrete Math | | | | | | |
| 215 | Intro to Elect Circ | 2 | Terry, Hofmann | 1 | Ulaby | I, II | |
| 216 | Intro Signals&Syst | 2 | Yagle, Yagle | 2 | Grizzle, Lafortune | I, II | |
| 230 | EMAG I | 2 | Grbic, Michielssen | 1 | Kushner | I, II | |
| 301 | Prob Methods Eng | 1 | Meerkov | 1 | Pradhan | I, II | |
| 311 | Elect Circuits | 1 | Lahiji | 1 | Rais-Zadeh | I, II | |
| 312 | Digit Integrat Circ | 1 | Dick | 1 | Zhang | I, II | |
| 314 | Elec Ckts, Sys&Appl | 1 | Ganago | 1 | Ganago | I, II | |
| 320 | Intr Semicon Devices | 1 | Lu | 1 | Zhong | I, II | |
| 330 | Emag II | 1 | Jarrahi | 1 | Sarabandi | I, II | |
| 334 | Prin of Optics | 1 | Rand | 1 | Nees | I, II | |
| 370 | Intro Comp Org | 1 | Dick | | | | |
| 406 | High-Tech Entrep | 1 | Islam | | | I | ENGR 406 |
| 410 | Patent Fund Eng | | | | | I alt yrs | ENGR 410 |
| 411 | M-Wave Circ I | 1 | Mortazawi | | | I | |
| 413 | Monolith Ampl Circ | 1 | Flynn | | | I | |
| 414 | Intro to MEMS | 1 | Yoon | | | I | |
| 418 | Power Electronics | 1 | Rivas | | | | |
| 419 | Elec Mach and Drives | | | 1 | Hofmann | | |
| 420 | Phys Princ Smart Dev | 1 | Zhong | | | I | |
| 421 | Prop-Transistors | 1 | Singh | | | I | |
| 423 | Sol State Dev Lab | 1 | Kanicki | | | I | |
| 425 | Integ Microsys Lab | | | 1 | Lahiji | II | |
| 427 | VLSI Design I | 1 | Blaauw | 1 | Mazumder | I, II | |
| 429 | Semi Optoelec Dev | | | 1 | Bhattacharya | II | |
| 430 | Radiowave Prop | | | 1 | Gilchrist | II | AOSS 431 |
| 434 | Princ Photon | 1 | Islam | | | I | |
| 438 | Lasers Lab | | | 1 | Galvanauskas | II | |
| 442 | Computer Vision | 1 | Savarese | | | | |
| 451 | Dig Sig Proc | 1 | Balzano | 1 | Yagle | I, II | |
| 452 | DSP Design Lab | 1 | Liu | 1 | Liu | I, II | |
| 455 | Digital Comm Signal | 1 | Winick | | | I | |
| 460 | Con Sys Anlys&Des | 1 | Meerkov | 1 | Ozay | I, II | |
| 461 | Embedded Control | 1 | Cook | 1 | Cook | I, II | |
| 463 | Power Sys Deg&Oper | | | 1 | Hiskens | | |
| 498 | Special Topics | 1 | Revzen (hands on rbctcs) | | | I,II | |
| 500 | Tutorial Lec Sys Sci | 1 | Nadakuditi | | | | |
| 501 | Prob&Random Proc | 1 | Pradhan | 1 | Winick | I, II | |
| 502 | Stoch Processes | | | 1 | Teneketzis | II alt yrs | |
| 503 | Intro Num Em | | | 1 | Michielssen | I | |
| 509 | BioMEMS | | | | | | |
| 510 | RF MEMS | 1 | Rais-Zadeh | | | | |
| 511 | A/D Interfaces | | | 1 | Flynn | II | |
| 512 | Amorph Sem | | | | | I | |
| 513 | Flat Pan Displ | | | 1 | Kanicki | II | |
| 514 | Advanced MEMS | | | | | II | |
| 515 | Integ Microsystems | | | 1 | Gianchandani | I | |
| 517 | Phys Proc in Plas | 1 | Kushner | | | II even | NERS 578 |
| 520 | Elect Opt Semicon | | | 1 | Singh | II | |
| 521 | High-Speed Trans | | | 1 | Terry | II | |
| 522 | Analog Integr Ckt | | | | | Ii | |
| 523 | Digital Integ Tech | 1 | Lahiji | | | II | |
| 525 | Adv SS M-Wave Cir | | | 1 | Mortazawi | I | |
| 528 | M-Elec Proc Tech | | | 1 | Lu | II | |
| 529 | Semi Las & Leds | | | | | I | |
| 530 | Electromag Thry I | 1 | Sarabandi | | | I | APPPHYS 530 |
| 531 | Antenna Thry&Des | | | | | II | |
| 532 | M-Wave Rem Sens I | | | | | I odd | AOSS 587 |
| 533 | Mw Meas Lab | | | | | II | |
| 534 | MW Device/IC | | | | | I odd | |
| 535 | Optical Info Proc. | | | | | I even | |
| 536 | Classical Stat'l Optics | | | | | I odd | |
| 537 | Classical Optics | 1 | Norris | | | I | APPPHYS 537 |
| 538 | Opt Wave Crystals | 1 | Winful | | | I | APPPHYS 550, PHYSICS 650 |
| 539 | Lasers | | | 1 | Galvanauskas | II | PHYSICS 651, APPPHYS 551 |
| 540 | Appl Quant Mech I | 1 | Steel | | | I | APPPHYS 540 |
| 541 | Appl Qntm Mech II | | | 1 | Steel | II | APPPHYS 541 |
| 542 | Vision Processing | | | | | alt yrs | |
| 545 | Machine Learning | 1 | Scott | | | II | |
| 546 | Ultrafast Optics | | | 1 | Norris | II | APPPHYS 546 |
| 550 | Information Theory | 1 | Neuhoff | | | I | |

| Catalog | | sec's | | sec's | | catalog term | |
|---------|------------------------|-------|---------------------------|-------|------------------------------|--------------|--------------------------|
| Nbr | Course Name | Fall | | Win | | listing | Cross-listing |
| | | 13 | | 14 | | | |
| 551 | Math Meth Sig Proc | 1 | Nadakuditi | | | I | |
| 552 | Fib Opt-Intrnt Biomd | | | | | II odd | APPPHYS 552 |
| 554 | Dig Comm&Codes | 1 | Anastasopoulos | | | I | |
| 555 | Digital Comm Thry | | | 1 | Anastasopoulos | II | |
| 556 | Image Processing | | | 1 | Fessler | II | |
| 557 | Communication Net | | | 1 | TBA | I | |
| 558 | Stochastic Contrl | | | | | I odd | |
| 559 | Advanced Signal Proc. | | | | | I | |
| 560 | Linear Systems | 1 | Grizzle | 1 | Scruggs (Civil) | I | AEROSP 550, MECHENG 564 |
| 562 | NI Sys&Con | | | 1 | Revzen | II | AEROSP 551 |
| 564 | Estim, Filter&Detect | | | 1 | Balzano | II | |
| 565 | Lin Feedback Control | | | 1 | Bernstein (Aero) | II | AEROSP 580 |
| 566 | Discrete Event Systems | | | | | I | |
| 569 | Prod Syst Eng | | | 1 | Meerkov | II alt yrs | |
| 598 | Special Topics in EECS | 1 | Hiskens (elect&mrkts) | 1 | Rivas (pwr electr dsgn) | | |
| 598 | Special Topics in EECS | 1 | Ozay (hybrid systems) | 1 | Savarese (comp vision) | | |
| 598 | Special Topics in EECS | 1 | Zhang (vlsi dig sig proc) | 1 | Dick (embedded sys) | | |
| 598 | Special Topics in EECS | | | 1 | Grbic (metamaterials) | | |
| | | | | | Jarrahi (terahertz tech) | | |
| 598 | Special Topics in EECS | | | 1 | Nadakuditi (rand matrix thy) | | |
| 600 | Func Meth Sys Thry | | | | | II | IOE 600 |
| 627 | VLSI Design II | | | 1 | Blaauw | II | |
| 628 | Adv Hi Perf VLSI | | | | | I alt yrs | |
| 631 | EM Scattering | | | | | alt yrs | |
| 632 | M-Wav Rem Sens II | | | | | II even | |
| 633 | Numerical Meth's EM | | | | | alt yrs | |
| 634 | Nonlinear Optics | 1 | | 1 | Winful | I | APPPHYS 611, PHYSICS 611 |
| 650 | Chanel Coding Thry | 1 | Anastasopoulos | | | II alt yrs | |
| 651 | Source Code Thry | | | | | II odd | |
| 659 | Adapt Signal Proc | | | | | I odd | |
| 662 | Adv NI Cont | | | | | II | MECHENG 662 |
| 730 | Spec'l topics EM | | | | | | |
| 755 | Spec'l topics Sig Proc | 1 | Fessler | | | | |