COES

Technical Electives and Graduate Courses 2010-2011

GENERAL ENGINEERING/ SCIENCE

Fall Quarter

CHEM 450c/586/PHYS412
Solid State

INEN 400
Statistics

ELEN 471
Automatic Controls

MATH 407
Partial Diff. Eqs.

MATH 408
Abstract Algebra

PHYS 416
Modern Physics I

PHYS 470C/510
Math Methods

PHYS 418 Modern Physics Lab

MATH 414
Numerical Analysis

STAT 405
Statistical Methods

STAT 520/620
Theory of Probability

MEMT 588
Inelastic Deformation

Winter Quarter

CMEN 513
Transport Phenomena

PHYS 419
Modern Physics Lab II

ELEN 461
Communications

ELEN 472/572
Digital Control

PHYS 470C/523
Classical Theory of Fields

MATH 415
Numerical Analysis

MATH 435
Graph Theory

PHYS 417
Modern Physics II

MEEN 543
Adv. Heat Transfer

MATH 482
Real Analysis

STAT 521/621
Theory of STAT

MEMT 577
Adv. Strength of Materials

INEN 415
AutoCAD

Spring Quarter

CHEM 450/586/PHYS412
Solid State

CHEM 424
Adv. Physical Chemistry

CHEM 450
Polymer Chemistry

CHEM 466
Instrumental Analysis

MEMT 411/511
Modern Eng. Materials

ELEN 433/533
Optoelectronics

PHYS 307
Thermodynamics

ELEN 462/557
Digital Communications

MATH 405
Linear Algebra

PHYS 424/CHEM 524
Quantum Mechanics

MEEN 475
Mechatronics

STAT 511
Design of Experiments

STAT 652
Stochastic Processes