

School of MME Graduate Course Offerings (2007-2011)

ME Graduate Courses

<p>Fall 2007 ME 556 Numerical Modeling in Fluid Mechanics <i>ME/CE 532 Finite Elements</i> (taught as CE 532) ME 534 Mechanics of Composite Materials ME 527 Macroscopic Thermodynamics Systems ME 598 Seminar</p>	<p>Spring 2008 ME 509 MEMS Engineering ME 515 Advanced Heat Transfer ME 530 Elasticity ME 531 Theory of Plasticity ME 574 Foundations of CAD ME 598 Seminar</p>
<p>Fall 2008 ME 501 Continuum Mechanics ME 521 Fundamentals of Fluids ME/CE 532 Finite Elements (taught as ME 532) MSE/ME 537 Fracture Mechanics and Mechanisms ME 540 Advanced Dynamics of Physical Systems ME 598 Seminar</p>	<p>Spring 2009 ME 516 Convective Heat Transfer ME 520 Multiscale Modeling in Thermomechanics of Materials ME 522 Fundamentals of Fluids II ME 530 Elasticity ME 575 Geometric Modeling ME 598 Seminar</p>
<p>Fall 2009 ME 527 Macroscopic Thermodynamics <i>ME/CE 532 Finite Elements</i> (taught as CE 532) ME 534 Mechanics of Composite Materials ME 556 Numerical Modeling in Fluid Mechanics ME 598 Seminar</p>	<p>Spring 2010 ME 509 MEMS Engineering ME 515 Advanced Heat Transfer ME 531 Theory of Plasticity ME 574 Foundations of CAD ME 598 Seminar</p>
<p>Fall 2010 ME 501 Continuum Mechanics ME 521 Fundamentals of Fluids ME/CE 532 Finite Elements (taught as ME 532) ME/MSE 537 Fracture Mechanics & Mechanisms ME 540 Advanced Dynamics of Physical Systems ME 598 Seminar</p>	<p>Spring 2011 ME 516 Convective Heat Transfer ME 520 Multiscale Modeling in Thermomechanics of Materials ME 522 Fundamentals of Fluids II ME 530 Elasticity ME 575 Geometric Modeling ME 598 Seminar</p>
<p>Classes taught on demand ME 541 Advanced Mechanical Vibrations (spring) ME 542 ME 544 ME 545 Nonlinear Dynamics ME 551 Turbulent Flow (spring) ME 552 Experimental Methods in Thermal-Fluid Science (fall) ME 553 Two-Phase Flow (spring) ME 561 Combustion (spring)</p> <p style="text-align: right;">ME 562 Nuclear Reactor Theory (spring/fall) ME 565 Nuclear Reactor Engineering (spring/fall) ME 569 Advanced Topics in Thermal and Fluid Sciences (spring/fall) ME 579 Advanced Topics in Design & Manufacturing</p>	

Courses taught by other departments or programs are shown in italics.

MSE Graduate Courses

<p>Fall 2007 MSE/MatS 505 Advanced Materials Science MSE 514 Thermodynamics of Solids MSE 515 Electronic Materials <i>MSE 547/CE 597 Physical Chemistry of Interfaces</i></p>	<p>Spring 2008 <i>MatS 571 Microscopic Analysis of Solid Surfaces (Hippis et al.)</i> MSE 506 Biomaterials <i>ME 509 MEMS Engineering</i> MSE 516 Phase Transformation MSE 517 Thin Films <i>MSE 543/CE 593 Polymer Materials and Engineering</i></p>
<p>Fall 2008 MSE/MatS 505 Advanced Materials Science MSE 513 Crystal Plasticity MSE/ME 537 Fracture Mechanics and Mechanisms <i>MSE 544/CE 594 Natural Fibers</i> <i>MSE 546/CE 546 Parameters for Synthesis of Wood Composition Materials</i></p>	<p>Spring 2009 <i>MatS 571 Microscopic Analysis of Solid Surfaces (Hippis et al.)</i> MSE 517 Thin Films MSE 521 Statistics of Microstructures MSE 523 Ceramics Processing <i>MSE 545/CE 595 Polymer and Composite Processing</i> MSE 592 Transmission Electron Microscopy</p>
<p>Fall 2009 MSE/MatS 505 Advanced Material Science MSE 514 Thermodynamics of Solids MSE 515 Electronic Materials <i>MSE/CE 597 Physical Chemistry of Interfaces</i></p>	<p>Spring 2010 <i>MatS 571 Microscopic Analysis of Solid Surfaces (Hippis et al.)</i> MSE 506 Biomaterials <i>ME 509 MEMS Engineering</i> MSE 516 Phase Transformations <i>MSE/CE 593 Polymer Materials and Engineering</i></p>
<p>Fall 2010 MSE/MatS 505 Advanced Materials Science MSE 513 Crystal Plasticity MSE/ME 537 Fracture Mechanics and Mechanisms <i>MSE 544/CE 594 Natural Fibers</i> <i>MSE 546/CE 546 Parameters for Synthesis of Wood Composition Materials</i></p>	<p>Spring 2011 <i>MatS 571 Microscopic Analysis of Solid Surfaces (Hippis et al.)</i> <i>ME 510 MEMS Engineering</i> MSE 517 Thin Films MSE 521 Statistics of Microstructures MSE 523 Ceramics Processing <i>MSE 545/CE 595 Polymer and Composite Processing</i> MSE 592 Transmission Electron Microscopy</p>

Courses taught by other departments or programs are shown in italics.

Course offerings are subject to change without notice!!