

# Mechanical Engineering Courses

Update: 10/24/06

## Design

Course #	Course Title	Spring 07	Summer 07	Fall 07	Spring 08	Summer 08	Fall 08	Spring 09	Summer 09	Fall 09
160L	Mechanical Engineering Design I	X		X	X		X	X		X
260L	Mechanical Engineering Design II	X		X	X		X	X		X
314	Design of Machinery	X		X	X		X	X		X
350	Engineering Economy									
360L	Mechanical Engineering Design III	X		X	X		X	X		X
459	Mechanical Engineering Design IV	X		X	X		X	X		X
460	Mechanical Engineering Design V	X		X	X		X	X		X
406	FSAE Design	X			X			X		
407	FSAE Fabrication			X			X			X
408	FSAE Test	X			X			X		
456	Entrepreneurial Engineering	X			X			X		
474/574	Modeling, simulation, and synthesis of electromechanical systems				X			X		
483/583	Statistical Methods for Improving Product Quality			X			X			X
484/584	CAD			X			X			X
485/585	Modern Manufacturing Methods			X			X			X
486/586	Design for Manufacturability				X					
488/588	Design and Manufacturing in Industry	X			X			X		
489/589	Intelligent Controls in Manufacturing	X						X		

RED = Required UG

## Controls and Dynamics

Course #	Course Title	Spring 07	Summer 07	Fall 07	Spring 08	Summer 08	Fall 08	Spring 09	Summer 09	Fall 09
306	Dynamics	X		X	X		X	X		X
357	Intro to Mechanical Vibrations	X		X	X		X	X		X
380	Analysis and Design of Mechanical Control Systems	X		X	X		X	X		X
416/516	Applied Dynamics			X			X			X
461/561	Signal Processing and Random Analysis (P. Merritt)			X			X			X
470/570	Microprocessors in Mechanical Systems			X			X			X
475/575	Rdm Dyn Proc & Ctrl (P. Merritt)	X			X			X		
480/580	Dynamic System Analysis							upon demand		
481/581	Digital Control of Mechanical Systems	X			X			X		
482/582	Robot Engineering			X			X			X
487/587	LEGO Robotics	X			X			X		
510	Nonlinear Modeling and Analysis	X					X			

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