

## Mechanical Engineering Electives

Course		Title	Pre- requisites	Cr
UG	Grad			
4317		Vibrations	ENGR 2301 and MATH 3305	3
	5305	Advanced Mechanics of Materials & Applied Elasticity		3
4320		DFM	3319	3
4333	5333	Mechanics of Composites	3306, 3319	3
	5346	Optimization and ..?	2302, 3306	3
4347	5347	Polymer Science and Engineering	3319	3
	5328	Advanced FEA	FEA - UG	3
4329		Compressible flow	3310	3
4342	5342	Energy Mgmt.	3401	3
4345	5345	Energy Conversion	3316	3
4348	5348	Applied CFD & Heat Transfer	4316	3
	5341	Advanced Thermo	3401	3
4330	5330	Process Control	4312	3
4322	5322	CAD/CAM	3319	3
4308	5308	Robotic Vision & Control	3303	3
	5344	Advanced System Dynamics	4312	3
4309	5309	Robotics Engineering	3303	3