MSME COURSE ROTATION, updated 5/06/2024. Tentative forecast only, subject to change by instructor availability and sufficient enrollment.

Course	Description	Target Frequency	F22	S23	F23	S24	F24	S25	F25	S26	F26	S27	Design & Manufacturing	Dynamics & Controls	Thermal/Fluid Sciences
ME 230	Adv. Mechanical Engineering Analysis	1	1	1	1	1	1	1	1	1	1	1	Required	Required	Required
ME 273	Finite Element Methods in Engineering	1	1	1	1	1	1	1	1	1	1	1	Required	Required	Required
ME 201	Mechanical Engineering Project Planning	1	1	1	1	1	1	1	1	1	1	1	Usually Required	Usually Required	Usually Required
ME 210	Advanced Thermodynamics	4	1				1		1						**
ME 211	Advanced Heat Transfer	4				1			1						**
ME 221	Viscous Flow Analysis and Computation	4			1				1						**
ME 231	Optimization and ML in Mech Eng	4			1				1				*	*	*
ME 232	Deep learning in Mech Eng	4				1				1			*	*	*
ME 233	Computational Data Analysis for ME	4		1			1				1		*	*	*
ME 240	Rigid Body Dynamics	3	1						1		1		*	**	
ME 243	Vibration of Mechanical Systems	3			1		1				1		*	**	
ME 250	Precision Machine Design	4	1				1				1		**		
ME 256	Product Design and Development	4		1					1			1	**		
ME 260	Applied Stress Analysis	3		1			1			1			**		
ME 265	Computer-Aided ME Design	3	1			1			1			1	**		
ME 267	Engineering Biomechanics	3		1					1		1		*	*	*
ME 268	3D Printing and Additive Manufacturing	4				1			1				**		
ME 271	Computational Fluid Dynamics for ME	3			1		1			1					**
ME 274	Advanced Finite Element Methods	3			1		1				1		**		
ME 280	Automatic Control Engineering	2	1		1		1		1		1			**	
ME 281	Advanced Control System Design	4		1					1			1		**	
ME 282	Nonlinear and Adaptive Control	4				1				1				**	
ME 283	Automatic Control of Manuf. Processes	4	1				1				1		**	*	
ME 284	Sensor Technology and Principles	3		1			1			1				**	
ME 285	Mechatronic Systems Engineering	2		1		1			1		1	1		**	
ME 286	Autonomous and Connected Vehicles	4							1					**	
ME 297	Experimental fluid mechanics	4	1								1				**
ME 297	Introduction to fire dynamics	4													**
ME 297	Robot Modeling and Control						1							**	
	Total Classes (traget 10):		10	11	9	8	10	11	10	10	11	9			