Mechanical Engineering

2 YEAR PROJECTED COURSE OFFERINGS 2022-2024

Tentative: Check “Search for Classes” on SU Online for the quarterly schedule.
2022-2024 Course offerings are tentative at this time.

Subject-Course #	Course Name	Summer 22	Fall 22	Winter 23	Spring 23	Summer 23	Fall 23	Winter 24	Spring 24	Pre&Co-Requisites OR Notes
MEGR 1000	Introduction to Mechanical Engineering		•				•			
MEGR 1050	Engineering Graphics and Design		•	•			•	•		LAB FEE
MEGR 1060	Machine Shop		•	•	•		•	•	•	LAB FEE
MEGR 1890	Integrated Engineering Design Project I				•				•	LAB FEE
MEGR2100	Statics		•	•			•	•		PREQ: MATH 1335; PHYS 1210
MEGR 2300	Dynamics			•	•			•	•	PREQ: MEGR 2100
MEGR 2810	Engineering Methods		•		•		•		•	PREQ: PHYS 1210; MATH 1335; LAB FEE
MEGR 2890	Integrated Engineering Design Project II				•				•	LAB FEE
MEGR 3210	Thermodynamics		•				•			PREQ: MATH 2330; MEGR2300; LAB FEE
MEGR 3360	Instrumentation and Data Acquisition 1			•				•		PREQ: MEGR 2810, MATH 2340; COREQ: MEGR 3710, MEGR3230; LAB FEE
MEGR 3370	Instrumentation and Data Acquisition 2				•				•	PREQ: MEGR 3360; COREQ: MEGR 3240; LAB FEE
MEGR 3500	Material Science		•				•			PREQ: CHEM 1500/1501; LAB FEE
MEGR 3710	Machine Design I			•				•		PREQ: CEEGR2210
MEGR 3240	Heat Transfer				•				•	PREQ: MEGR 3210; COREQ: MEGR 3230
MEGR 3890	Integrated Engineering Design Project III				•				•	LAB FEE
MEGR 4210	Thermodynamics II			•				•		PREQ: MEGR 3210
MEGR 4350	Dynamic Systems		•				•			PREQ: MEGR 3360; LAB FEE
MEGR 4380	Control Systems			•				•		PREQ: MEGR 4350;
MEGR 4720	Machine Design II		•				•			PREQ: MEGR 3710
MEGR 4870	Engineering Design I		•				•			PREQ: DEPT PERMISSION
MEGR4880	Engineering Design II			•				•		PREQ: MEGR 4870
MEGR 4890	Engineering Design III				•				•	PREQ: MEGR 4880
MEGR 4910	Special Topics		•	•	•		•	•	•	MJR- ONLY
MEGR 5050	Finite Element Analysis								•	GRD ONLY
MEGR 5020	Energy Systems			•				•		GRD ONLY
MEGR 5030	Applied Fluid Dynamics		•				•			GRD ONLY
MEGR 5040	Advanced Engineering Materials			•				•		GRD ONLY
MEGR 5070	Advanced Dynamics			•				•		GRD ONLY
MEGR 5080	Digital Controls and Applications				•				•	GRD ONLY
MEGR 5110	Engineering Decision-Making		•				•			GRD ONLY
										GRD ONLY
MEGR 5055	Advanced Computational Methods		•				•			GRD ONLY
MEGR 5990	Graduate Engineeering Project I		•	•	•		•	•	•	GRD ONLY
MEGR 5991	Graduate Engineeering Project II		•	•	•		•	•	•	GRD ONLY; PREQ: MEGR 5990
MEGR 5910	Special Topics		•		•		•		•	GRD ONLY
MEGR 3230	Fluid Dynamics			•				•		PREQ: MEGR 2300; MATH 2340

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