

## Engineering 473 – Machine Design Course Calendar

### January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6 Week 1	7 <b>Class 1 - Syllabus</b>	8	9 <b>Class 2- Mechanical Properties of Ductile Mat.</b>	10	11 <b>Class 3- Influence of Fabrication Process ...</b>	12
13 Week 2	14 <b>Class 4- Stress at a Point</b>	15	16 <b>Class 5-Stress Concentration Factors &amp; Notch</b>	17	18 <b>Class 6 Steady Load Failure Theories I</b>	19
20 Week 3	21 <b>Martin Luther King Day – No Class</b>	22	23 <b>Class 7- Steady Load Failure Theories II</b>	24	25 <b>Class 8- Steady Load Failure Theories III</b>	26
27 Week 4	28 <b>Class 9- Introduction to Fracture Mechanics I</b>	29	30 <b>Class 10- Fracture Mechanics II</b>	31		

## February

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 <b>Class 11-</b> Fatigue I	2
3 Week 5	4 <b>Class 12-</b> Fatigue II	5	6 <b>Class 13-</b> Crack Propagation	7	8 <b>Class 14-</b> Review	9
10 Week 6	11 <b>Class 15-</b> Thick Walled Cylinders	12	13 <b>Class 16-</b> Compound Cylinders	14	15 <b>Class 17-</b> Interference Fits	16
17 Week 7	18 <b>Class 18-</b> Rotating Disks	19	20 <b>Class 19-</b> Shaft Loading	21	22 <b>Class 20-</b> Shaft Analysis	23
24 Week 8	25 <b>Class 21-</b> Keys and Keyways	26	27 <b>Class 22-</b> Splines	28		

## March

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 9					1 <b>Class 23 – Involute Gear Tooth Bending</b>	2
3 Week 10	4 <b>Class 24 – Involute Gear Tooth Contact</b>	5	6 <b>Class 25 – Review</b>	7	8 <b>Class 26 – Test No. 2</b>	9
10 Week 11	11 <b>Spring Break – No Class</b>	12 <b>Spring Break – No Class</b>	13 <b>Spring Break – No Class</b>	14 <b>Spring Break – No Class</b>	15 <b>Spring Break – No Class</b>	16
17 Week 12	18 <b>Class 27 – Rolling Contact Bearings</b>	19	20 <b>Class 28 – Plane Surface Bearings</b>	21	22 <b>Class 29 – Fluid Film Bearings I</b>	23
24 Week 13	25 <b>Class 30 – Fluid Film Bearings II</b>	26	27 <b>Class 31 – Fluid Film Bearings III</b>	28	29 <b>Good Friday – No Class</b>	30
31						

## April

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 14	1 <b>Class 32 – Power Screws</b>	2	3 <b>Class 33 – Mechanical Fasteners I</b>	4	5 <b>Class 34 – Mechanical Fasteners II</b>	6
7 Week 15	8 <b>Class 35 – No Class</b>	9	10 <b>Class 36 – Welding Processes</b>	11	12 <b>Class 37 – Welds in Tension and Shear</b>	13
14 Week 16	15 <b>Class 38 – Welds in Combined Loading</b>	16	17 <b>Class 39 – Spings I</b>	18	19 <b>Class 40 – Springs II</b>	20
21 Week 17	22 <b>Class 41 – Friction Devices I</b>	23	24 <b>Class 42 – Friction Devices II</b>	25	26 <b>Class 43 – Friction Devices III</b>	27
28 Week 18	29 <b>Class 44 – Review</b>	30 <b>Study Day</b>				

## May

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 18			1 Study Day	2 Final Exams	3 Final Exams	4
5 Week 19	6 Final Exams	7 Final Exams 7:45-9:45	8 Final Exams	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	