Kinematics and Machine Design
ME 325

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Evaluation

2 exams	40%
Quizzes	20%
Group assignments	20%
Final exam	20%

Date	Week	Topic	Preparation
5/21	1	Design/Design Process	1 - 18
5/22		Factor of Safety/Materials	19 - 44
5/23		Optimization	
5/24		Optimization	
5/25	10%	**Problem Session**	**Quiz 1**
5/29	2	Optimization	
5/30		Finite Element Analysis	
5/31		Finite Element Analysis	
6/1	15%	**Problem Session**	
6/4	3	Stress	143 - 150
6/5		Stress	183 - 193
6/6		Mohr's Circle	151 - 156
6/7		Review	
6/8	35%	**Exam 1**	
6/11	4	Static Failure (MNST, VM, MSST)	193 - 200, 253-264 265 - 266
6/12		Brittle Fracture	269 - 274
6/13		Fatigue	317 - 340
6/14		Fatigue	346 - 357
6/15	45%	**Problem Session**	**Quiz 2**
6/18	5	Shaft Design	539 - 546
6/19		Shaft Design	547 - 558
6/20		Bearings	653 - 661
6/21		Bearings	
6/22	55%	**Problem Session**	**Quiz 3**
6/25	6	Gear Design	
6/26		Gear Design	
6/27		Mechanism Design	
6/28		Review	
6/29	75%	**Exam 2**	
7/2	7	Mechanism Design	
7/3		Mechanism Design	
7/5		Mechanism Analysis	
7/6	80%	Mechanism Analysis	**Quiz 4**

7/9	8	Cams	
7/10		Cams	
7/11		Review	
7/12		Review	
7/13	100%	**Final Exam**	