

Senior Project Courses Milestone Chart

First Senior Project Courses (ME/MET 190)

Week	Activities	Standard Materials	Documents to be Submitted
1	<ul style="list-style-type: none"> Forming a team Proposing a project 	<ul style="list-style-type: none"> Team work ethics guideline Senior Project Proposal Form (File name: Senior Project Proposal Form_AK.doc) 	
2	<ul style="list-style-type: none"> Forming a team Proposing a project Identifying design requirements 	<ul style="list-style-type: none"> Drawing Standard (File name: Drawing Standard_JH.doc) Tolerance Setting Guideline (File name: Tolerances_JH.doc) Standard drawing templates for common solid modeling software packages Drawing examples 	<ul style="list-style-type: none"> Preliminary project proposal
3	<ul style="list-style-type: none"> Conceptual design Preliminary project proposal approvals 		
4	<ul style="list-style-type: none"> Conceptual design 		
5	<ul style="list-style-type: none"> Conceptual design Trade-off analysis of alternative designs 		<ul style="list-style-type: none"> Formal project proposal
6	<ul style="list-style-type: none"> Formal project approvals Detailed design Engineering analysis and simulations 	<ul style="list-style-type: none"> First Semester Project Report Guideline (First Sem Project Rep Guideline_FR.doc) FMEA form (File name: FMEA Form_JH.doc) Other engineering analysis guidelines 	
7	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations 		
8	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations 		
9	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations 	<ul style="list-style-type: none"> Test Plan Guideline (Project Testing.doc) 	
10	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations Test plan 	<ul style="list-style-type: none"> Project Presentation Guideline 	
11	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations Test plan 		
12	<ul style="list-style-type: none"> Detailed design Engineering analysis and simulations Test plan Drawing approvals 		<ul style="list-style-type: none"> Drawings
13	<ul style="list-style-type: none"> Drawing approvals 		
14	<ul style="list-style-type: none"> Drawing approvals 	<ul style="list-style-type: none"> Senior Project Presentation Evaluation Form (File name: Senior Project Presentation Evaluation Form_SI.doc) 	<ul style="list-style-type: none"> Project presentation
15			<ul style="list-style-type: none"> First semester project report

Second Senior Project Courses (ME/MET 191)

Week	Activities	Standard Materials	Documents to be Submitted
1	<ul style="list-style-type: none"> • Design review • Updating the Gant chart 	<ul style="list-style-type: none"> • Lab Safety Rules (File name: Lab Safety Rules_JH.doc) 	
2	<ul style="list-style-type: none"> • Manufacturing activities 		<ul style="list-style-type: none"> • Revised Gant chart
3	<ul style="list-style-type: none"> • Manufacturing activities 		
4	<ul style="list-style-type: none"> • Manufacturing activities 		
5	<ul style="list-style-type: none"> • Manufacturing activities 		
6	<ul style="list-style-type: none"> • Manufacturing activities 	<ul style="list-style-type: none"> • Second Semester Project Report Guideline (File name: Second Sem Project Rep Guideline_FR.doc) 	
7	<ul style="list-style-type: none"> • Manufacturing activities 		
8	<ul style="list-style-type: none"> • Manufacturing activities • Updating the test plan 		
9	<ul style="list-style-type: none"> • Manufacturing activities • Updating the test plan 		
10	<ul style="list-style-type: none"> • Manufacturing activities 		
11	<ul style="list-style-type: none"> • Manufacturing activities 		
12	<ul style="list-style-type: none"> • Testing and debugging 		
13	<ul style="list-style-type: none"> • Testing and debugging 		
14	<ul style="list-style-type: none"> • Testing and debugging 	<ul style="list-style-type: none"> • Senior Project Presentation Evaluation Form (File name: Senior Project Presentation Evaluation Form_SI.doc) 	<ul style="list-style-type: none"> • Project presentation
15			<ul style="list-style-type: none"> • Final senior project report