

ID	Task Name	Duration	Start	Finish	Summary
1	Start of Winter Quarter	0 days	Mon 12/4/06	Mon 12/4/06	
2	WEEK 1	3.97 days	Tue 12/5/06	Fri 12/8/06	
3	Team meeting #1	0.09 days	Tue 12/5/06	Tue 12/5/06	
4	Introductions	10 mins	Tue 12/5/06	Tue 12/5/06	
5	Project Overview: PRP, presentation	45 mins	Tue 12/5/06	Tue 12/5/06	
6	Team Norms/Expectations	15 mins	Tue 12/5/06	Tue 12/5/06	
7	Read Project P3 Proposal	3 days	Tue 12/5/06	Thu 12/7/06	
8	Read about UV Disinfection	3 days	Tue 12/5/06	Thu 12/7/06	
9	Read about UN Millenium Goals	3 days	Tue 12/5/06	Thu 12/7/06	
10	Read about UC Berkeley Project	3 days	Tue 12/5/06	Thu 12/7/06	
11	Read Wei's Master's Thesis	3 days	Tue 12/5/06	Thu 12/7/06	
12	Read about MIT Project	3 days	Tue 12/5/06	Thu 12/7/06	
13	Workshop 1: Know the Customer & Your Team	0.97 days	Fri 12/8/06	Fri 12/8/06	
14	Course Logistics	45 mins	Fri 12/8/06	Fri 12/8/06	
15	Ice Breaker	45 mins	Fri 12/8/06	Fri 12/8/06	
16	Project Background - reports on individual research	30 mins	Fri 12/8/06	Fri 12/8/06	
17	Project Planning	1.25 hrs	Fri 12/8/06	Fri 12/8/06	
18	Break	1.75 hrs	Fri 12/8/06	Fri 12/8/06	
19	Needs Assessment Exercises/Tours	1.5 hrs	Fri 12/8/06	Fri 12/8/06	
20	Needs Assessment mini-Workshop	1 hr	Fri 12/8/06	Fri 12/8/06	
21	Create Day's Summary	30 mins	Fri 12/8/06	Fri 12/8/06	
22	5-Minute Project Updates	30 mins	Fri 12/8/06	Fri 12/8/06	
23	WEEK 2	5 days	Mon 12/11/06	Fri 12/15/06	
24	Weekly meeting: Needs Development	5 days	Mon 12/11/06	Fri 12/15/06	
25	Continue reviewing Individual Background Research from week 1	20 mins	Mon 12/11/06	Mon 12/11/06	
26	Description of Needs Assessment	10 mins	Mon 12/11/06	Mon 12/11/06	
27	Affinity Diagramming Activity	45 mins	Mon 12/11/06	Mon 12/11/06	
28	Group and Prioritize Customer Needs	30 mins	Mon 12/11/06	Mon 12/11/06	
29	Research Alternative Energy Sources Available to Power Product	4.89 days	Mon 12/11/06	Fri 12/15/06	
30	Benchmark Existing UV Disinfection Solutions	4.89 days	Mon 12/11/06	Fri 12/15/06	
31	Research UV Lightbulbs	4.89 days	Mon 12/11/06	Fri 12/15/06	
32	Research water quality standards and testing opportunities	4.89 days	Mon 12/11/06	Fri 12/15/06	
33	Research Material degradation	4.82 days	Mon 12/11/06	Fri 12/15/06	
34	Develop finalized customer needs list, draft 1-page summary	1 day	Mon 12/11/06	Tue 12/12/06	
35	Workshop 2: Translating Needs to Specifications	1 day	Fri 12/15/06	Fri 12/15/06	
36	Workshop Overview	30 mins	Fri 12/15/06	Fri 12/15/06	
37	Translating Customer Needs to Specifications	1 hr	Fri 12/15/06	Fri 12/15/06	
38	Specification Development mini-Workshop	1.5 hrs	Fri 12/15/06	Fri 12/15/06	
39	Break	2 hrs	Fri 12/15/06	Fri 12/15/06	
40	Meet with Sarah Brownell / Specification Development Project Work	1.5 hrs	Fri 12/15/06	Fri 12/15/06	
41	Refine Customer needs	30 mins	Fri 12/15/06	Fri 12/15/06	
42	Create Day's Summary	30 mins	Fri 12/15/06	Fri 12/15/06	
43	5-Min Project Updates	30 mins	Fri 12/15/06	Fri 12/15/06	
44	WEEK 3	5 days?	Mon 12/18/06	Fri 12/22/06	
45	Weekly meeting: Specification Development	0.19 days	Mon 12/18/06	Mon 12/18/06	
46	Brainstorm/Organize/Reconcile and Document Final Needs	30 mins	Mon 12/18/06	Mon 12/18/06	
47	Translate Needs into Quantifiable Requirements - define metrics, units, and values	1 hr	Mon 12/18/06	Mon 12/18/06	
48	Additional Product Benchmarking to develop metric values	2 days	Wed 12/20/06	Thu 12/21/06	
49	Additional Meeting	1 day	Thu 12/21/06	Fri 12/22/06	

ID	Task Name	Duration	Start	Finish	Summary
148	Update on Design Progress, Issues, etc.	30 mins	Mon 2/5/07	Mon 2/5/07	
149	Revisit Customer Needs / QFD	30 mins	Mon 2/5/07	Mon 2/5/07	
150	Develop Detailed Designs: Integration between subsystems	5 days	Mon 2/5/07	Fri 2/9/07	
151	Power	5 days	Mon 2/5/07	Fri 2/9/07	
152	Water Input/Filtration	5 days	Mon 2/5/07	Fri 2/9/07	
153	UV Tube Cavity	3.33 days	Tue 2/6/07	Fri 2/9/07	
154	Complete Flow/Dosage theoretical justification	5 days	Mon 2/5/07	Fri 2/9/07	
155	Complete LCA Analysis of finalized design	5 days	Mon 2/5/07	Fri 2/9/07	
156	Complete CAD Drawings of applicable system parts	5 days	Mon 2/5/07	Fri 2/9/07	
157	Complete FEA of key components	10 days	Mon 1/29/07	Fri 2/9/07	
158	Complete Analysis for DFMDFA	5 days?	Mon 2/5/07	Fri 2/9/07	
159	Seminar: Preparation for Project Reviews, 2-3 pm (Xerox)	1 hr	Fri 2/9/07	Fri 2/9/07	
160	WEEK 9	5 days	Mon 2/12/07	Fri 2/16/07	
161	Weekly meeting	0.06 days	Mon 2/12/07	Mon 2/12/07	
162	Update on Design Progress, Issues, etc.	30 mins	Mon 2/12/07	Mon 2/12/07	
163	Develop Detailed Designs, Finalize Bill of Materials w/ cost	5 days	Mon 2/12/07	Fri 2/16/07	
164	Power: Bill of Materials	5 days	Mon 2/12/07	Fri 2/16/07	
165	Water Input/Filtration: Bill of Materials	5 days	Mon 2/12/07	Fri 2/16/07	
166	UV Tube Cavity: Bill of Materials	3.33 days	Tue 2/13/07	Fri 2/16/07	
167	Prepare for Design Review	5 days	Mon 2/12/07	Fri 2/16/07	
168	Create presentation	5 days	Mon 2/12/07	Fri 2/16/07	
169	Practice presentation / simulate Q&A session	5 days	Mon 2/12/07	Fri 2/16/07	
170	Design Review - Detailed Design	1 hr	Fri 2/16/07	Fri 2/16/07	
171	WEEK 10	65 days?	Mon 2/19/07	Fri 5/18/07	
172	Weekly Meeting	0.06 days	Thu 2/22/07	Thu 2/22/07	
173	Debrief about the Design Review	30 mins	Thu 2/22/07	Thu 2/22/07	
174	Complete detailed test plans with linkage to engineering specifications and customer needs.	4 days	Mon 2/19/07	Thu 2/22/07	
175	Water testing	4 days	Mon 2/19/07	Thu 2/22/07	
176	Usability "Field" testing - cleaning, maintenance, construction	4 days	Mon 2/19/07	Thu 2/22/07	
177	Performance / Fatigue testing	4 days	Mon 2/19/07	Thu 2/22/07	
178	Electrical Testing	4 days	Mon 2/19/07	Thu 2/22/07	
179	Project Review Preparation	4 days	Wed 2/21/07	Mon 2/26/07	
180	Create presentation	4 days	Wed 2/21/07	Mon 2/26/07	
181	Practice presentation	1 day	Thu 2/22/07	Thu 2/22/07	
182	Project plan for SDII	4 days	Mon 2/19/07	Fri 2/23/07	
183	Project Review	1 hr	Fri 2/23/07	Fri 2/23/07	
184	WEEK 11	4.25 days	Mon 2/26/07	Fri 3/2/07	
185	Meeting	0.38 days	Mon 2/26/07	Mon 2/26/07	
186	Debrief about the Project Review	15 mins	Mon 2/26/07	Mon 2/26/07	
187	Discuss SDII Project Plan and Action Items	20 mins	Mon 2/26/07	Mon 2/26/07	
188	Detailed Design Discussion / Revision	3 hrs	Mon 2/26/07	Mon 2/26/07	
189	Set up Tests with Aluminum samples	3 hrs	Thu 3/1/07	Thu 3/1/07	
190	Optional SD I Feedback Session	2 hrs	Fri 3/2/07	Fri 3/2/07	
191	Break Week	7 days?	Fri 3/2/07	Mon 3/12/07	
192	Start of Spring Quarter	1 day	Mon 3/12/07	Mon 3/12/07	
193	WEEK 1	5 days	Mon 3/12/07	Fri 3/16/07	
194	Weekly Meeting	2 hrs	Wed 3/14/07	Wed 3/14/07	
195	Continue System Design	5 days	Mon 3/12/07	Fri 3/16/07	
196	Run Aluminum Test samples	5 days	Mon 3/12/07	Fri 3/16/07	

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197	Finalize testing plans / schedules	4 days	Mon 3/12/07	Fri 3/16/07	Greg,Anna
198	Water testing	4 days	Mon 3/12/07	Fri 3/16/07	Miguel
199	Usability "Field" testing - maintenace, construction	4 days	Mon 3/12/07	Fri 3/16/07	Micah,Rob
200	Flow Rate Testing	4 days	Mon 3/12/07	Fri 3/16/07	Manaal,Greg
201	Filter Testing	4 days	Mon 3/12/07	Fri 3/16/07	Brendan
202	Electrical Testing	4 days	Mon 3/12/07	Fri 3/16/07	Team
203	WEEK 2	5 days	Mon 3/19/07	Fri 3/23/07	Micah,Greg,Anna
204	Finalize Full System Design	5 days	Mon 3/19/07	Fri 3/23/07	Anna
205	Update Drawings, BOM, Budget	5 days	Mon 3/19/07	Fri 3/23/07	Team
206	Order parts online	1 day	Wed 3/21/07	Wed 3/21/07	Team
207	Begin Alpha Prototype Construction	5 days	Mon 3/19/07	Fri 3/23/07	Team
208	Design Review	2 hrs	Fri 3/23/07	Fri 3/23/07	Team
209	Week 3	5 days	Mon 3/26/07	Fri 3/30/07	Team
210	Complete Alpha Prototype construction	5 days	Mon 3/26/07	Fri 3/30/07	Miguel
211	Begin Drafting User Manuals / documentation	5 days	Mon 3/26/07	Fri 3/30/07	Manaal
212	Manufacturing/Assembly	5 days	Mon 3/26/07	Fri 3/30/07	Rob
213	Use	5 days	Mon 3/26/07	Fri 3/30/07	Miguel
214	Repair	5 days	Mon 3/26/07	Fri 3/30/07	Manaal
215	WEEK 4	5 days	Mon 4/2/07	Fri 4/6/07	Rob
216	Complete User Manuals, Translate to Spanish	5 days	Mon 4/2/07	Fri 4/6/07	Miguel
217	Manufacturing/Assembly	5 days	Mon 4/2/07	Fri 4/6/07	Manaal
218	Use	5 days	Mon 4/2/07	Fri 4/6/07	Rob
219	Repair	5 days	Mon 4/2/07	Fri 4/6/07	Greg,Anna
220	Begin testing	5 days	Mon 4/2/07	Fri 4/6/07	Miguel
221	Water testing	5 days	Mon 4/2/07	Fri 4/6/07	Micah,Rob
222	Usability "Field" testing - maintenace, construction	5 days	Mon 4/2/07	Fri 4/6/07	Manaal,Greg
223	Flow Rate Testing	5 days	Mon 4/2/07	Fri 4/6/07	Brendan
224	Filter Testing	5 days	Mon 4/2/07	Fri 4/6/07	Greg
225	Electrical Testing	5 days	Mon 4/2/07	Fri 4/6/07	Team
226	Seminar: Tips for Poster Preparation (2-3 pm, Xerox Aud.)	1 hr	Fri 4/6/07	Fri 4/6/07	Team
227	WEEK 5	5 days	Mon 4/9/07	Fri 4/13/07	Team
228	Complete testing, analyze results, compare to specifications	5 days	Mon 4/9/07	Fri 4/13/07	Team
229	Suggest design improvements - Update design as needed	5 days	Mon 4/9/07	Fri 4/13/07	Anna,Micah
230	Seminar: Presentation Skills (2-4 pm, Xerox Aud.)	1 hr	Fri 4/13/07	Fri 4/13/07	Micah,Greg
231	WEEKS 6-7	10 days	Mon 4/16/07	Fri 4/27/07	Team
232	Update Drawings, BOM for design improvements	10 days	Mon 4/16/07	Fri 4/27/07	Team
233	Build Beta prototype with design improvements, and test as necessary	10 days	Mon 4/16/07	Fri 4/27/07	Anna
234	Seminar: Tips for Paper Preparation (2-3 pm, Xerox Aud.)	1 hr	Fri 4/20/07	Fri 4/20/07	Anna
235	WEEK 8	5 days	Mon 4/30/07	Fri 5/4/07	Anna
236	Design History File completion (EDGE web site)	5 days	Mon 4/30/07	Fri 5/4/07	Anna
237	Function and Performance Review	2 hrs	Fri 5/4/07	Fri 5/4/07	Anna
238	Week 9	5 days	Mon 5/7/07	Fri 5/11/07	Anna
239	Write Conference Paper	5 days	Mon 5/7/07	Fri 5/11/07	Greg
240	Project Poster Design	5 days	Mon 5/7/07	Fri 5/11/07	Team
241	WEEK 10	5 days	Mon 5/14/07	Fri 5/18/07	Team
242	Wrap up project	5 days	Mon 5/14/07	Fri 5/18/07	Team,Anna
243	Create Project Review Presentation	5 days	Mon 5/14/07	Fri 5/18/07	Team
244	Practice Presentation	5 days	Mon 5/14/07	Fri 5/18/07	Team
245	Project Review	2 hrs	Fri 5/18/07	Fri 5/18/07	Team