

Course Schedule

ID 8900 Universal Design Investigations: Enigma Voting Machines

Week	Date	Topic	Activity	Assignment
1	Tu 1/10	Course Overview: Universal Design and Interaction Design Accessible Voting Project		
	Th 1/12	Unit 1. Enigma Voting Machines 1.1. What are Electronic Voting Machines?	Lecture: Sanford	
2	Tu 1/17	Unit 2. Voting Process and Products 2.1 Product: Voting Machines, Ballots and Information - Two solution paradigm Typical vs. Accessible voting machines.	Lecture: Sanford	
	Th 1/19	Unit 3. Voter Issues: Barriers and Facilitators 3.1. Voters with Visual Limitations	Seminar: Students	Readings: VI voter usability
3	Tu 1/24	2.2 Process: History, Legal issues and legislative acts, Voting system standards, Certification of voting systems	Guest Lecture: Whitney Qusenbery, Project Coordinator, Accessible Voting Project	
	Th 1/25-26	Accessible Voting Project Workshop Charrette	Loews Hotel	
4	Tu 1/31	3.2 Usability of Voting Systems	Guest Lecture: Brad Fain, Human Factors Psychologist, GTRI	Readings Usability
	Th 2/2	3.3 Voters with Cognitive and Reading Limitations 3.4 Voters with Motor Limitations	Seminar: Students	Readings CI and MI voter usability
5	Tu 2/7	Open IDEO Challenge Select and Discuss Top 5 Inspirations in each Mission	Seminar: Students	Assignment Open IDEO Missions
	Th 2/9	Open IDEO Challenge Continued: Ideas for design concepts	Seminar: Students	
6	Tu 2/14	Unit 4. Management Issues: Flexibility, Security, & Affordability	Guest Lecture: Gary Smith, GA Board of Elections	Readings: Management Issues
	Th 2/16	Using Voting Machines	EE Lab CATEA:	
7	Tu 2/21	Unit 5. Developing Solutions 5.1 Applying the Principles of Universal Design to the Design of Voting Machines	Lecture: Sanford	Readings: Principles of Universal Design
	Th 2/22-23	Accessible Voting Project Workshop Charrette	Loews Hotel	
8	Tu 2/28	5.2 Design Goals and Criteria for New Designs	Workgroups	
	Th 3/1	5.3 Concept Development and Ideation Prepare IRB Application	Workgroups in Lab	Assignment: Open IDEO Concepts
9	Tu 3/6	Present Preliminary Concepts	Class Discussion	Assignment: Add concepts to Open IDEO
	Th 3/8	Refine Concepts based on class and OpenIDEO feedback Finish IRB application	Workgroups	Submit IRB Application

10	Tu 3/13	Present Final Concepts	Class Presentations	Submit: Design Concept
	Th 3/15	5.4 Prototyping	Workgroups	
11	Tu 3/20 Th 3/22	No Class - Spring break		
12	Tu 3/27	Prototyping continued	Workgroups in Lab	
	Th 3/29	Prototyping continued	Workgroups	
13	Tu 4/3	Prototyping continued	Workgroups	
	Th 4/5	Presentation of Prototypes	Class Presentations	
14	Tu 4/10	5.5 User Evaluation of Working Prototypes	Workgroups	
	Th 4/12	User Evaluation continued	Workgroups	
15	Tu 4/17	User Evaluation continued	Workgroups	
	Th 4/19	Present User evaluation data	Class presentations	Submit: user eval report
16	Tu 4/24	5.5 Refine Prototypes	Workgroups	
	Th 4/26	Refine prototypes/work on final report	Workgroups	
17	Tu 5/1	Exam Week		
	Th 5/3	Final Presentations		Submit: Final Prototype & Poster