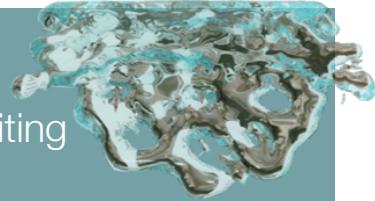




DPA 8150: Visual Effects & Compositing



11:00 - 12:15
Tuesday and Thursday
McAdams 110E and Zucker 104

Week 1	January		8	9	10	
	History of Visual Effects					"That is the most difficult thing of all, though it would seem the easiest: to see that which is before one's eyes."
	VES Ch. 1; Brinkmann Ch. 1; Rickitt Ch. 1; Ganbar Ch. 1, 2					-- Johann Wolfgang von Goethe
Week 2		13	14 *H0 Due*	15	16	17
	Traditional Optical Techniques		Brinkmann Ch. 2; VES Ch. 2, 3; Rickitt Ch. 2-7; Ganbar Ch. 3			
Week 3		20	21 *H1 Due*	22	23	24
	Breakdown, Bidding, & Shot Planning		Brinkmann Ch. 15; VES Ch. 2, 3, Ganbar Ch. 4			
Week 4		27	28 *H2 Due*	29	30	31
	Previsualization; On-Set Methods and Departments		Brink Ch. 15; VES Ch. 2, 3; Ganbar Ch. 5, 6			
Week 5	February	3	4 *H3 Due*	5	6 *Test 1, tentative*	7
	Acquisition: Camera, Film, and Digital Properties		Brink Ch. 2, 10, 11; VES Ch. 3; Ganbar Ch. 7			
Week 6		10	11 *H4 Due*	12	13	14
	Representation: Image Format, Manipulation, Display		Brink Ch. 3, 4; VES Ch. 5; Ganbar Ch. 9			
Week 7		17	18 *H5 Due*	19	20	21
	Compositing Theory		Brinkmann Ch. 5; VES Ch. 10; Ganbar Ch. 10			
Week 8		24	25 *H6 Due*	26	27	28
	Kernels and Keying		Brinkmann Ch. 4, 6; Ganbar Ch. 11			
Week 9	March	2	3	4	5	6
	Lighting, Rendering, HDR, & IBL		Brinkmann Ch. 12, 13; Dobbert Ch. 1-4; Ganbar Ch. 12, Appendix			
Week 10		9	10 *Test 2, tentative*	11	12 *P1 Due*	13
	Tracking and Matchmoving (mean-shift, SIFT, optical flow)		Brinkmann Ch. 8; Dobbert Ch. 7-11			
Week 11		16	17 <— — — Spring Break — — —>	18	19	20
	Color Correction					
Week 12		23	24	25	26	27
	Brinkmann Ch. 14, Appendix B; Ganbar Ch. 4					
Week 13	April	30	31	1	2	3
	Projection Techniques		Brinkmann Ch. 14; Ganbar Ch. 11			
Week 14		6	7 *P2 Due*	8	9	10
	Matte Painting and Set Extensions		Ganbar Ch. 11, 12; Rickitt Ch. 5			
Week 15		13	14	15	16	17
	Deep Techniques					
Week 16		18	19	20	21 *Test 3, tentative*	22
	Misc, Tools, Realtime Techniques		VES Ch. 8			

Exam Date: Wednesday, April 29, 15:00 - 17:30
Final Production Project (P3) Due Date TBA