

Integrated Studies 001 Fall 2014 Coursemap

INTRO WEEK						
	Wed.	27-Aug	Intro to Course, Cohen Hall 402			READINGS/ASSIGNMENTS
	Thurs.	28-Aug	Prof. Silver Intro to Art History: Elements of Form: Line, Color, Shape, Composition, Space			Joshua Taylor, <i>Learning to Look</i> , 51-76, 123-29; Nicholas Penny, <i>The Materials of Sculpture</i> , 219-232; John Gage, <i>Color and Culture</i> , 11-14, 25-27, 227-229
	Fri.	29-Aug	Friday Seminars			

Art History, Prof. Silver, Mondays Cohen 402, 2-3:30 p.m.	Chemistry, Prof. Berry, Tuesdays Arch Aud, 12-1:30 p.m.	Classics, Prof. Struck, Wednesdays Cohen 402, 2-3:30 p.m.
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WEEK 1: Elements 1						
	Mon.	1-Sep	No Class: Labor Day			
	Tues.	2-Sep		Prof. Berry Intro to Chemistry: What is Chemistry? Denotations and Connotations; Overview of Ancient Ideas; Atoms and the Void; The Four Elements		Harry B. Gray, John D. Simon, and William C. Trogler, <i>Braving the Elements</i> , Chapter 1
	Wed.	3-Sep			Prof. Struck Intro to Classics: Elements of Epic Poetry: Language, Meter, Stylistic Techniques, Ring Composition, Catalogues	<i>Iliad</i> , "Introduction" (Sheila Murnaghan); Homer, <i>Iliad</i> , Books 1-3
	Thurs.	4-Sep	What is Integration?			
	Fri.	5-Sep	Friday Seminars			

WEEK 2: Elements 2						
	Mon.	8-Sep	Pictures as Represented Reality			Ernst Gombrich, "Visual Discovery through Art," <i>The Image and the Eye</i> , 11-39; Gombrich, "Truth and the Stereotype," <i>The Essential Gombrich</i> , 89-112; Gombrich, "Illusion and Art," <i>The Essential Gombrich</i> , 139-159
	Tues.	9-Sep		Redox Chemistry: Fire, Metals, and Gunpowder		Harry B. Gray, John D. Simon, and William C. Trogler, <i>Braving the Elements</i> , Chapter 2; Isaac Asimov, "The Relativity of Wrong," <i>The Skeptical Inquirer</i> 14/1 (1989): 35-44
	Wed.	10-Sep			Elements of Narrative: Characterization, Time, Empathy, Death and Living, Depictions of the Gods	Homer, <i>Iliad</i> , Books 4-10; Eric A. Havelock, "The Cosmic Myths of Homer and Hesiod," <i>Oral Tradition</i> , 2/1 (1987): 31-53
	Thurs.	11-Sep	Models and Formalisms - Berry			Isaac Asimov, "The Relativity of Wrong," <i>The Skeptical Inquirer</i> 14/1 (1989): 35-44
	Fri.	12-Sep	Friday Seminars			Friday Seminar Warm-up Assignment due 10 a.m.

WEEK 3: Elements 3						
	Mon.	15-Sep	Visual Knowledge: Symbols			Ernst Gombrich, "The Visual Image, its Place in Communication," <i>The Essential Gombrich</i> , 41-64 and Denis Cosgrove, <i>Apollo's Eye</i> , 22-53
	Tues.	16-Sep		Chemical Elements in the Nineteenth Century: The Periodic Table and the Organization of Information		Roald Hoffmann, "Why Buy that Theory?," Chapter 2; James Elkins, "How to Look at an Alchemical Emblem" and "How to Look at the Periodic Table," <i>How to Use Your Eyes</i> , Chapters 14 and 16
	Wed.	17-Sep			Interpretive Questions and Knowledge of the Poem: Disruption and Healing, Repetitions, Thematic Elements, Tensions Made and Dissolved	Homer, <i>Iliad</i> , Books 11-17
	Thurs.	18-Sep	Visual Imagery and Symbols - Silver			Ernst Gombrich, "The Visual Image: its Place in Communication," <i>The Essential Gombrich</i> , 41-64
	Fri.	19-Sep	Friday Seminars			

WEEK 4: Elements 4						
	Mon.	22-Sep	Visual/Verbal: Ekphrasis			James Heffernan, "Homer: A Shield Sculpted in Words," <i>Museum of Words</i> , 10-22
	Tues.	23-Sep		Representations of Molecules: Composition, Formulae, Structures		Roald Hoffmann and Pierre Laszlo, "Representation in Chemistry," Chapter 14
	Wed.	24-Sep			Interpretive Questions and Knowledge of the World: Ekphrasis; Breaking and Remaking Things; Empathy and Dense Narrative	Homer, <i>Iliad</i> , Books 18-24
	Thurs.	25-Sep	Ekphrasis - Struck			Homer, <i>Iliad</i> , Book 18
	Fri.	26-Sep	Friday Seminars			Friday Seminar Thesis Paragraph Assignment due 10 a.m.

WEEK 5: Norms, Beauty, Symmetry 1						
	Mon.	29-Sep	Beauty and Proportion			Mary Beard and John Henderson, "Sensuality, Sexuality, and the Love of Art," <i>Classical Art</i> , 107-144 (Chapter 3); Erwin Panofsky, "The History of the Theory of Human Proportions," <i>Meaning in the Visual Arts</i> , 55-107 (Chapter 2)
	Tues.	30-Sep		What Do We Mean by Symmetry? Qualitative discussion; Representations of Symmetry; Introduction to Symmetry Elements and Operations; Platonic Solids		Roald Hoffmann, "Molecular Beauty," Chapter 21
	Wed.	1-Oct			Microcosm and Macrocosm in Homer and among the Ancients	Norman Austin, "The One and the Many in the Homeric Cosmos," <i>Arion</i> 1/2 (1973/1974): 219-274
	Thurs.	2-Oct	Norms and Forms - Silver			Erwin Panofsky, "The History of the Theory of Human Proportions," <i>Meaning in the Visual Arts</i> , 55-107 (Chapter 2)
	Fri.	3-Oct	Friday Seminars			

WEEK 6: Norms, Beauty, Symmetry 2						
	Mon.	6-Oct	Representation and Social Authority			Mary Beard and John Henderson, "Facing up to Antiquity: Art to the Life," <i>Classical Art</i> , 205-238 (Chapter 5); Peter Burke, "Power and Protest," <i>Eyewitnessing</i> , 59-80 (Chapter 4). Friday Seminar Integration Essay 1 due 10 a.m.
	Tues.	7-Oct		Group Theory: Intro and Application to Symmetry		Gary L. Miessler and Donald A. Tarr, "Symmetry and Group Theory" and PROBLEMS (Chapter 4) in <i>Inorganic Chemistry</i>
	Wed.	8-Oct			Tragic Norms, Tragic Beauty	Aristotle, <i>Poetics</i> , Chapters 1-16
	Thurs.	9-Oct	No Classes: Fall Break			
	Fri.	10-Oct	Friday Seminars			

WEEK 7: Norms, Beauty, Symmetry 3						
	Mon.	13-Oct	Representing the Other			Peter Burke, "Stereotypes of Others," <i>Eyewitnessing</i> , 123-139 (Chapter 7)
	Tues.	14-Oct		Introduction to Light, Color, Energy		
	Wed.	15-Oct			Mimesis; Norms and Conventions of the Tragic Form	Aristotle, <i>Poetics</i> , Chapters 17-26
	Thurs.	16-Oct	Classical Norms and Representations - Struck			Aristotle, <i>Poetics</i> [Full work]
	Fri.	17-Oct	Friday Seminars			

Week 8: Norms, Beauty, Symmetry 4						
	Mon.	20-Oct	Conventions Defied: Modern Art			Michael Leja, "Humbugs for Highbrows," <i>Looking Askance</i> , 221-247 (Chapter 7); William Everdell, "Pablo Picasso: Seeing All Sides, 1906-1907," <i>The First Moderns</i> , 241-250 (Chapter 16)
	Tues.	21-Oct		More on Light, Color, Energy		Pierre Laszlo and James Elkins, "Spectroscopy," in <i>Visual Practices Across the University</i> (Chapter 1)
	Wed.	22-Oct			When Norms are Violated, plus the Color Purple	Aeschylus, <i>Agamemnon</i> ; 5-6:30 p.m. Attend Roald Hoffmann Penn Humanities Forum Lecture, "The Allure of Indigo," Rainey Auditorium, Penn Museum, 3260 South Street; Send Hoffmann Question to Seminar Professor by 9 p.m.
	Thurs.	23-Oct	Roald Hoffmann Q & A			
	Fri.	24-Oct	Friday Seminars			

WEEK 9: MIDTERM WEEK						
	Mon.	27-Oct			Classics Review Session	Friday Seminar Integration Essay 2 due Mon. 10 a.m.
	Tues.	28-Oct		Chemistry Review Session		
	Wed.	29-Oct	Art History Midterm Exam			
	Thurs.	30-Oct		Chemistry Midterm Exam		
	Fri.	31-Oct	Classics Midterm Exam			

WEEK 10: Defying Conventions - Backlash - New Conventions 1						
	Mon.	3-Nov	Narrative Pictures			Nelson Goodman, "Twisted Tales; or Story, Study, and Symphony," <i>Critical Inquiry</i> 7/1 (1980): 103-119; Peter Burke, "Visual Narratives," <i>Eyewitnessing</i> , 140-156 (Chapter 8)
	Tues.	4-Nov		Slicing Time: Ultrafast Laser Spectroscopy		
	Wed.	5-Nov			Plato Wrestles with What is Right, and Imagines a Completely New World	Plato, <i>Republic</i> , Books 1-2
	Thurs.	6-Nov	Integrative Lecture - Berry			
	Fri.	7-Nov	Friday Seminars			

WEEK 11: Defying Conventions - Backlash - New Conventions 2

Mon.	10-Nov	Pictorial Motion			Ernst Gombrich, "Moment and Movement in Art" and "Action and Expression in Western Art," 40-62 and 78-104, <i>The Image and the Eye</i> ; Michael Leja, "Eakins's Reality Effects," <i>Looking Askance</i> , 59-92 (Chapter 2)
Tues.	11-Nov		Five Blind Men and the Elephant; Wave/Particle Dualities: Planck and Einstein (light as photons, energy); Bohr and his model atom: He knew he was right, but didn't know WHY; Close, but no cigar		Steven S. Zumdahl and Donald J. DeCoste, "Quantum Mechanics and Atomic Theory," <i>Chemical Principles</i> , Chapter 12 excerpt
Wed.	12-Nov			Education and the problems with telling stories	Plato, <i>Republic</i> , Books 3-5
Thurs.	13-Nov	Narration and Change - Silver			
Fri.	14-Nov	Friday Seminars			

WEEK 12: Defying Conventions - Backlash - New Conventions 3

Mon.	17-Nov	Filmic Motion and Narration			Erwin Panofsky, "Style and Medium in the Motion Pictures," <i>Three Essays on Style</i> ; Seymour Chatman, "What Novels Can Do That Films Can't (and Vice Versa)," <i>Critical Inquiry</i> 7/1 (1980): 121-140
Tues.	18-Nov		More about the development of Quantum Mechanics: De Broglie, Heisenberg, Schrodinger		
Wed.	19-Nov			Entering Plato's Cave and Welcome to World of Shadows	Plato, <i>Republic</i> , Books 6-7
Thurs.	20-Nov	Plato's Cave - Struck			
Fri.	21-Nov	Friday Seminars			

WEEK 13: Defying Conventions - Backlash - New Conventions 4

Mon.	24-Nov	Landscape and Tradition			W.J.T. Mitchell, "Imperial Landscape," <i>Landscape and Power</i> , 5-30
Tues.	25-Nov	Unlikely Revolutionaries - Berry			William Everdell, "Hugo de Vries and Max Planck: The Gene and the Quantum, 1900," <i>The First Moderns</i> (Chapter 11) [Thursday schedule]
Wed.	26-Nov	Class canceled			
Thurs.	27-Nov	No Classes: Thanksgiving Break			
Fri.	28-Nov	No Classes: Thanksgiving Break			

WEEK 14 Integration and Differentiation						
	Mon.	1-Dec	Art/History and Understanding			Erwin Panofsky, "The History of Art as a Humanistic Discipline," <i>Meaning in the Visual Arts</i> , 1-25 (Introduction)
	Tues.	2-Dec		More on Spectroscopy/Ramifications of Quantum Mechanics		
	Wed.	3-Dec			How Things Fall Apart; Humas between Heaven and Earth; Myth of Er	Plato, <i>Republic</i> , Books 8-10
	Thurs.	4-Dec	Art and Science - Silver			Erwin Panofsky, "The History of Art as a Humanistic Discipline," <i>Meaning in the Visual Arts</i> , 1-25 (Introduction)
	Fri.	5-Dec	Friday Seminars			

WEEK 15: Conclusions						
	Mon.	8-Dec	What is Integration?			Friday Seminar Integration Essay 3 due Mon 10 a.m.
	Tues.	9-Dec		Chemistry Magic Day		

FINAL EXAMS:

Art History Take home exam posted Wednesday, December 3 and due Friday, December 12, 5 p.m. via email to Professor Silver: lasilver@sas.upenn.edu
MAKE SURE TO NOTE PROFESSOR SILVER'S EMAIL ADDRESS

Classics In-class exam on Monday, December 15, 12-2 p.m. in Annenberg 110
MAKE SURE TO ARRIVE EARLY TO LOCATE THE EXAM ROOM

Chemistry In-class exam on Tuesday, December 16, 6-8 p.m. in Penn Museum B17
MAKE SURE TO ARRIVE EARLY TO LOCATE THE EXAM ROOM