HUMANITIES 111: FUNDAMENTAL CONCEPTS OF ART AND MUSIC

REQUIRED TEXTS:
Joshua C. Taylor, Learning to Look
Alberti, On Painting
Josef Albers, Interactions of Color
Svetlana Alpers, Vexations of Art
Susanne Langer, Feeling and Form
Rainer Maria Rilke, Letters on Cézanne

REQUIRED ARTWORKS AND MUSICAL PIECES:
Renaissance paintings illustrating the use of perspective
Paintings by Cézanne and at least one Impressionist
Velázquez, Las Meninas
Bach, Goldberg Variations (Glenn Gould recording)
Mussorgsky, Pictures at an Exhibition (piano version and orchestration by Ravel)

SUGGESTED TEXTS AND OTHER COURSE MATERIALS:
Plato, Ion
Ovid, Metamorphoses
Leo Tolstoy, What Is Art?
Boralsky, A Brief History of the Artist from God to Picasso
 Vasari, Lives of the Artists (e.g., Uccello and Michaelangelo)
Ralph Ellison, Jazz Writings
Alex Ross, The Rest is Noise
Representative compositions from Western classical, jazz and other world musical traditions
Representative works of visual art from a range of artistic traditions
Representative works of aesthetics and fine arts criticism

HUMANITIES 112: LITERATURE IN THE ANCIENT WORLD

REQUIRED TEXTS:
Odysseus' Scar
Auerbach, Aristotle, Poetics
Sophocles, Oedipus at Colonus
Other works of premodern literature from various world traditions

SUGGESTED TEXTS:
Enuma Elish
Mahabharata
1001 Arabian Nights
Murasaki Shikibu, The Tale of Genji
Other works of premorden literature from various world traditions

HUMANITIES 113: LITERATURE IN THE MODERN WORLD

REQUIRED TEXTS:
Shakespeare, Hamlet, Othello or King Lear (if choosing Hamlet, Grammaticus's Amleth may be used)
Selections from Norton Anthology of Poetry
At least one of the following major novels: Austen, Pride and Prejudice or Emma; Dostoevsky, Brothers Karamazov or Crime and Punishment; Eliot, Invisible Man; Morrison, Beloved or Song of Solomon
At least one of the following works of shorter fiction: Chopin, The Awakening; Dostoevsky, Notes from Underground; Hurston, Their Eyes Were Watching God; Woolf, To the Lighthouse; short stories by Borges, James, Joyce, Kafka, Melville, or O'Connor
One modern play from the following list: Beckett, Waiting for Godot; Chekhov, Three Sisters; Pinter, The Homecoming; Stoppard, Rosencrantz and Guildenstern Are Dead (to be used only in conjunction with Shakespeare's Hamlet)

HUMANITIES 211: RELIGIOUS REASONING

REQUIRED TEXTS:
Hebrew Bible: Genesis, with selected rabbinic literature
New Testament: Gospel of John, selected Pauline Epistle
Qur'an: early Meccan surahs, suahs retelling biblical stories
Augustine, Confessions
Anselm, Proslogion
Julian of Norwich, Showings or Teresa of Avila, Autobiography or Interior Castle
Kierkegaard, Fear and Trembling (Preface, Exordium, Eulogy on Abraham)
Pascal, Pensées

SUGGESTED TEXTS:
Catherine of Siena, letters or Dialogue of Divine Providence
al-Ghazali, Deliverance from Error
Maimonides, Guide for the Perplexed (selections)
Upanishads
Bhagavad Gita
Confucius, Analects

HUMANITIES 212: PHILOSOPHICAL REASONING

REQUIRED TEXTS:
Plato, Apology, Phaedo, Phaedrus
Aristotle, Nicomachean Ethics
Descartes, Meditations on First Philosophy
Locke, Essay on Human Understanding, or Hume, Dialogues on Natural Religion
Kant, Prolegomena to Any Future Metaphysics
Nietzsche, "On the Prejudices of the Philosophers" (Beyond Good and Evil)
Wittgenstein, Philosophical Investigations
Beauvoir, Ethics of Ambiguity

SUGGESTED TEXTS:
Dhammacakkappavattana Sutta (with commentaries)
Book of Equanimitly
Dhammapada
Tao Te Ching
Aristotle, Metaphysics
Ibn Tufayl, Hayy ibn Yaqzan

HUMANITIES 213: CRITICAL ASSESSMENT IN THE HUMANITIES

REQUIRED TEXTS:
Nietzsche, Birth of Tragedy (with music by Debussy and Wagner)
Buber, I and Thou
Woolf, Mrs. Dalloway
Heidegger, Origin of the Work of Art (with art by van Gogh)
Harlem Renaissance unit: visual art, jazz, texts by Locke, Schuyler and Hughes
Cone, God of the Oppressed and/or The Spirituals and the Blues (with music)
Sentag, On Photography (with photography by Diane Arbus and others)
Butler, Antigone's Claim
REQUIRED TEXTS:
Aristotle, On Interpretation, Prior Analytics, Topics, Categories, Sophistic Refutations
Euclid, Elements, Book 1
Descartes, “Discourse on the Method” and/or “Rules for the Direction of the Mind”

REQUIRED TEXTS:
Aristotle, On The Nature of the Universe
Shamos, Great Experiments in Physics
Bacon, The Novum Organum
Aristotle, The Physics

REQUIRED TEXTS:
CHEMICAL REVOLUTION
PREMODERN SCIENCE AND THE NATURAL SCIENCES 131: Essays on the Theory of Numbers
Cantor on infinite numbers

REQUIRED TEXTS:
Newton and/or Leibniz on fundamental theorems of calculus
Boole, Laws of Thought
Venn, On the Diagrammatic and Mechanical Laws of Thought

REQUIRED TEXTS:
Newton, Principia
Einstein, Relativity
“On Paradox” (faculty-authored essay)
Nagel & Newman, Gödel’s Proof

REQUIRED TEXTS:
Newton and/or Leibniz on fundamental theorems of calculus
Boole, Laws of Thought
Venn, On the Diagrammatic and Mechanical Laws of Thought

REQUIRED TEXTS:
Newton, Principia
Einstein, Relativity
“On Paradox” (faculty-authored essay)
Nagel & Newman, Gödel’s Proof

REQUIRED TEXTS:
Aristotle, The Physics
Bacon, The Novum Organum
Shamos, Great Experiments in Physics (selections)
Lucretius, On The Nature of the Universe

REQUIRED TEXTS:
Descartes, Optical Logic
Shamos, Great Experiments in Physics
Newton, Principia: The Central Argument, Opticks
Shamos, Great Experiments in Physics
Newton, Newton’s Philosophy of Nature

REQUIRED TEXTS:
Lucretius, On the Nature of the Universe
Shamos, Great Experiments in Physics
Bacon, The Novum Organum
Aristotle, The Physics

REQUIRED TEXTS:
Shamos, Great Experiments in Physics
Avogadro, A Manner of Determining the Relative Masses.
Berzelius, excerpts: Electrochemical Theory, Chemical Symbols and Formulas
Curie, 1911 Nobel Lecture, On Radioactivity
Cannizzaro, Sketch of a Course of Chemical Philosophy
Clausius, On the Nature of the Motion that We Call Heat
Dalton, 1810 extract, Atomic Principles of Chemistry, Letter to Nicholson, 1808 Extract
Dulong, Atomic Weights and Specific Heat
Dufay, The Two-Fluid Theory of Electricity
Franklin, The One-Fluid Theory of Electricity
Faraday, Decomposition of Tin Chloride, On some Points of Magnetic Philosophy…
Maxwell, On Action at A Distance (Faraday’s Point of View), On Ether

REQUIRED TEXT EXERCISES AND DEMONSTRATIONS:
Repeat Galilean experiments (pendulum, rolling balls, etc.)
Types and behaviors of waves
Snell’s Law
Reflection and refraction of light
Wave tank
Prisms
Diffraction of light (one slit and two slits)
Measurement of distance between rulings in a diffraction grating

REQUIRED TEXTS:
Galileo, Dialogues Concerning the Two New Sciences
Newton, Principia: The Central Argument, Opticks
Shamos, Great Experiments in Physics
Newton, Newton’s Philosophy of Nature

REQUIRED TEXT EXERCISES AND DEMONSTRATIONS:
Simple quantitative analysis: Percent acid in a mixture by weight using titration
Coin lab
Measurements of specific heats of elements
Atomic motion (TBD)
Observation of elements and qualitative descriptions of metals and non-metals
Electrostatics
Mapping of electromagnetic field
Measurement of electromagnetic induction
Precipitation of tin
The properties of electromagnetic waves
NATURAL SCIENCES 232: TWENTIETH CENTURY REVOLUTIONS IN PHYSICS

REQUIRED TEXTS:
- Shamos, Great Experiments in Physics
- Feynman, The Character of Physical Law, QED: The Strange Theory of Light and Matter
- Einstein, Relativity
- Gamow, Thirty Years that Shook Physics
- Snow, The Two Cultures
- Planck, 8 Lectures on Modern Physics
- Einstein, The Photoelectric Effect
- Millikan, A Direct Photoelectric Determination of Planck’s h and The Electron
- Bohr, The Structure of the Atom
- De Broglie, The Initial Idea of Wave Mechanics
- Schrödinger, Four Lectures on Wave Mechanics, Fundamental Idea of Quantum Mechanics
- Davisson, Are Electrons Waves?

REQUIRED LAB EXERCISES AND DEMONSTRATIONS:
- Blackbody radiation
- Photoelectric effect
- Electron diffraction
- Mass/charge of electron
- Observation of spectral lines
- Bragg reflection (with microwaves)

NATURAL SCIENCES 233: MODERN BIOLOGY AND GENETICS

REQUIRED TEXTS:
- Mendel, Experiments in Plant Hybridization
- Hardy, Hardy—Weinberg Law
- Chetverikov, On Certain Aspects of the Evolutionary Process...
- Dobzhansky, Genetics and the Origin of Species
- Schrödinger, What is Life?
- Dyson, Origins of Life
- Nusslein-Volhard, Coming to Life
- Crick, The Structure of the Hereditary Material, On Protein Synthesis
- Selected works on Molecular Biology, The Genetic Code, and Epigenetics

REQUIRED LAB EXERCISES AND DEMONSTRATIONS:
- Calculations of population genetics/Punnett squares
- Simulation of Dyson’s toy model
- DNA Extraction
- Microscope viewing (mitosis)
- Miller experiment

SOCIAL SCIENCES 141: SOCIETY, CULTURE, AND PERSONALITY

REQUIRED TEXTS:
- Benedict, Patterns of Culture
- James, Psychology: The Briefer Course
- Durkheim, Suicide
- Freud, Five Lectures on Psychoanalysis, New Introductory Lecture #XXX, and at least one analytic case study
- Piaget, Moral Feelings and Judgments
- Gilligan, In a Different Voice

SUGGESTED TEXTS:
- Conklin, Consuming Grief
- Texts on moral development by Kohlberg and Chodorow

SOCIAL SCIENCES 142: THE WESTERN POLITICAL TRADITION

REQUIRED TEXTS:
- Plato, Republic
- Aristotle, Politics
- Machiavelli, The Prince
- Hobbes, Leviathan
- Locke, Second Treatise on Civil Government
- Rousseau, Discourse on the Origin of Human Inequality, Social Contract, and/or selections from Emile
- Smith, Wealth of Nations
- Wollstonecraft, Vindication of the Rights of Women

SUGGESTED TEXTS:
- Aristotle, Nicomachean Ethics
- Aquinas, selected writings on politics
- Montesquieu, The Spirit of the Laws
- Spinoza, Theological-Political Treatise

SOCIAL SCIENCES 143: POLITICAL DEVELOPMENT OF THE UNITED STATES

REQUIRED TEXTS:
- American State Papers, including United States Declaration of Independence; United States Constitution; The Federalist; and additional selections from The People Shall Judge, Volume 1 Part 1
- de Toqueville, On Democracy in America
- at least two Supreme Court cases
- Selections from Schneir, Feminism: The Essential Historical Writings
- Douglass, Story of My Life
- DuBois, Souls of Black Folk
- King, Letter from Birmingham Jail

SUGGESTED TEXTS:
- Mann, writings on public education
- Thoreau, Civil Disobedience
- Douglass, What to the Slave is the Fourth of July?
- Lincoln, selected speeches
- Alexander Stephens, Cornerstone Speech

SOCIAL SCIENCES 241: MODERN THEORIES OF SOCIETY, POLITICS, AND ECONOMICS

REQUIRED TEXTS:
- Hegel, Phenomenology of Spirit and/or Philosophy of Right
- Marx, Economic and Philosphic Manuscripts of 1844 and Manifesto of the Communist Party
- Weber, Protestant Ethic and the Spirit of Capitalism
- Freud, Civilization and Its Discontents

SUGGESTED TEXTS:
- Marx, selections from one of more of the following works on economics: Wage Labor and Capital, Grundrisse, or Capital, selections from Theses on Feuerbach and/or German Ideology
- Mill, On Liberty and/or On the Subjection of Women
- Marshall, selections from Principles of Economics
- Selections from Hayek and Keynes on Economics
- Galbraith, The Inevitability of Planning
- Sen, Equality of What?

SOCIAL SCIENCES 242: SOCIAL CONSTRUCTION AND SOCIAL REALITY

REQUIRED TEXTS:
- Mannheim, Ideology and Utopia
- Arendt, The Human Condition
- Foucault, Discipline and Punish or History of Sexuality
- Geertz, Interpretation of Cultures or Local Knowledge
- Berger and Luckmann, Social Construction of Reality

SUGGESTED TEXTS:
- Huxley, Brave New World
- LeGuin, The Dispossessed
- Laing and Esterson, Sanity, Madness, and the Family
SOCIAL SCIENCES 243: METHOD AND CRITIQUE IN THE SOCIAL SCIENCES

REQUIRED TEXTS:
Durkheim, Rules of Sociological Method and/or Elementary Forms of Religious Life
Weber, essays on methodology, preferably including Objectivity in the Social Sciences and/or Social Psychology of World Religions
de Beauvoir, The Second Sex
Selections on feminism and methodology, including at least two essays by Haraway, Harding, and Flax and/or selections from Keller, Feminism and Science
Milgram, Obedience to Authority

SUGGESTED TEXTS:
Freire, Pedagogy of the Oppressed
Zimbardo, Stanford Prison Experiment: A Simulation Study of the Psychology of Imprisonment
Jacobs, The Death and Life of Great American Cities
Ghandi, selected writings

INTEGRATIVE STUDIES 451: ANCIENT MESOPOTAMIA TO CLASSICAL ATHENS

REQUIRED TEXTS:
The Epic of Gilgamesh
Inanna, Queen of Heaven and Earth
Hebrew Bible: Exodus, Song of Songs
Homer, The Iliad
Sappho, poetry
Aeschylus, Agamemnon and Eumenides
Selections from Herodotus and/or Thucydides
Aristotle, On the Heavens

SUGGESTED TEXTS:
Other Biblical selections not read elsewhere in the core
Hesiod, Thogony or Works and Days
Aeschylus, Libation Bearers
Plato, Republic (selections not used elsewhere in core)
Aristotle, Nicomachean Ethics (selections not used elsewhere in the core)
Relevant scholarly works, such as the following:
   - Jan Assmann, The Price of Monotheism
   - Judith Plaskow, Standing Again at Sinai
   - Nicole Loraux, The Divided City
   - Simone Weil, “The Iliad” or The Poem of Force

INTEGRATIVE STUDIES 453: RENAISSANCE, REFORMATION AND ENLIGHTENMENT

REQUIRED TEXTS:
The Arabian Nights
Geoffrey Chaucer, Canterbury Tales
Margery Kempe, The Book of Margery Kempe
Christine de Pizan, Treasure of the City of Ladies
Selections from Luther
Copernicus, On the Revolutions of the Heavenly Spheres
Galileo, The Starry Messenger
Kepler, The Epitome of Copernican Astronomy
John Milton, Paradise Lost
Aphra Behn, Oroonoko

SUGGESTED TEXTS:
Boccaccio, Decameron
Calvin, selections
Cervantes, Don Quijote
Erasmus, In Praise of Folly or writings against Luther on free will
Galileo, Concerning the Use of Biblical Quotations in Matters of Science
Gibbon, Decline and Fall of the Roman Empire
Leibniz, Monadology or Theodicy
Moliere, any play

Montaigne, Essays
More, Utopia
Petrarch, poetry
Pico, Oration on the Dignity of Man
Rabelais, Gargantua and Pantagruel
Racine, any play
Voltaire, Candide
Aimé Césaire, A Tempest
Relevant scholarly works, such as the following:
   - Eduardo Viveiros de Castro, The Inconstancy of the Native Soul
   - Silvia Federici, Caliban and the Witch

INTEGRATIVE STUDIES 454: ROMANTICISM TO THE WORLD TODAY

REQUIRED TEXTS:
J. W. von Goethe, Faust, pt. I
David Hume, Dialogues Concerning Natural Religion
Immanuel Kant, Groundwork of the Metaphysics of Morals
A significant novel by a woman, such as: George Eliot, Adam Bede, Djuna Barnes, Nightwood, Virginia Woolf, To the Lighthouse
Modern visual art/architecture, with relevant readings
A significant work of music, with relevant readings
A work on contemporary cosmology, such as the following:
   - Hubble, Explorations in Space
   - Riess and Turner, The Expanding Universe
A work on 20th century history

SUGGESTED TEXTS:
Rousseau, any work that is not required in Social Sciences 2
Goethe, Faust, Part II
Hegel, Introduction to Philosophy of History
Nietzsche, Use and Abuse of History
Engels, Condition of the Working Class in England
Dickens, Hard Times
Marx, Eighteenth Brumaire
Primo Levi, Survival in Auschwitz (also known as If This is a Man)
Hannah Arendt, Eichmann in Jerusalem
A significant graphic novel or film
Relevant scholarly works, such as the following:
   - C.L.R. James, The Black Jacobins
   - Susan Buck-Morss, Hegel and Haiti
   - Groys, The Total Art of Stalinism
Poems by William Blake, John Keats, Emily Dickinson, Walt Whitman, Wislawa Szymborska