

AS.150 (PHILOSOPHY)

AS.150.111. Philosophic Classics. 3 Credits.

The course introduces students to philosophy by critically examining selected texts in the Western philosophical tradition. Philosophers whose ideas will be examined include Plato, Descartes, Rousseau and Nietzsche.

Area: Humanities
Writing Intensive

AS.150.112. Philosophical Problems. 3 Credits.

An introduction to philosophy through several central problems. This year's topics are free will, death, time, and race.

Area: Humanities

AS.150.118. Introduction to Formal Logic. 3 Credits.

An introduction to symbolic logic and probability. In the first two parts of the course we study formal ways of determining whether a conclusion of an argument follows from its premises. Included are truth-functional logic and predicate logic. In the third part we study the basic rules of probability, and learn how to make probability calculations and decisions in life.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.125. Life and Death. 3 Credits.

This course will address some of the Big Picture questions about human life using the methods of analytic philosophy. These questions include: What am I, and what kinds of things could happen to me before I'd no longer be me? Should I be afraid of death? Is it better to be than to never have been anything at all? When is it permissible to end a life? To what extent do I live my life freely?

Area: Humanities

AS.150.136. Philosophy & Science: An Introduction to Both. 3 Credits.

Philosophers and scientists raise important questions about the nature of the physical world, the mental world, the relationship between them, and the right methods to use in their investigations of these worlds. The answers they present are very different. Scientists are usually empiricists, and want to answer questions by experiment and observation. Philosophers don't want to do this, but defend their views a priori. Why? Can both be right? Readings will present philosophical and scientific views about the world and our knowledge of it. They will include selections from major historical and contemporary figures in philosophy and science. The course has no prerequisites in philosophy or science.

Area: Humanities, Natural Sciences

AS.150.161. Introduction to Nietzsche. 3 Credits.

This course will provide an introduction to Nietzsche's thought. We shall read and discuss selections from each period of his philosophical development. Students will receive a grade based on a combination of attendance, participation, and a final essay, drafts of which will be discussed with the instructor prior to the final due date.

Area: Humanities
Writing Intensive

AS.150.193. Philosophy of Language Seminar: Proper Names and Definite Descriptions. 3 Credits.

In talking with each other, we often use proper names like 'Juliet' and definite descriptions like 'The most beautiful fresco in Italy' to pick out persons and objects in our world. But what do these expressions mean exactly? In this seminar, we'll slowly and carefully work through some classic philosophical texts that address this issue. These texts will provide an introduction to the philosophy of language, and to analytic philosophy in general.

Area: Humanities
Writing Intensive

AS.150.201. Introduction To Greek Philosophy. 3 Credits.

A survey of the earlier phase of Greek philosophy. Socrates, Plato, and Aristotle will be discussed, as well as two groups of thinkers who preceded them, usually known as the pre-Socratics and the Sophists.

Area: Humanities

AS.150.205. Introduction to the History of Modern Philosophy. 3 Credits.

An overview of philosophical thought in the seventeenth and eighteenth centuries. We shall focus on fundamental questions in epistemology (knowledge, how we acquire it, its scope and limits), metaphysics (the ultimate nature of reality, the relation of mind and body, free will), and theology (the existence and nature of God, God's relation to the world, whether knowledge of such things is possible): all questions that arose in dramatic ways as a result of the rise of modern science. The principal philosophers to be discussed are Descartes, Locke, Hume and Kant, though we shall also make the acquaintance of Spinoza, Leibniz and Berkeley.

Area: Humanities

AS.150.215. Problems with Knowledge, Evidence, and Action. 3 Credits.

This course covers a selection of recent work in epistemology and serves as an introduction to these topics. Issues to be discussed include new approaches to the nature of knowledge and skepticism, normative aspects of the way we handle information in our decision-making, epistemic injustices, and epistemic requirements for democratic discourse.

Area: Humanities
Writing Intensive

AS.150.219. Introduction to Bioethics. 3 Credits.

Introduction to a wide range of moral issues arising in the biomedical fields, e.g. physician-assisted suicide, human cloning, abortion, surrogacy, and human subjects research. Cross listed with Public Health Studies.

Area: Humanities, Social and Behavioral Sciences
Writing Intensive

AS.150.220. Introduction to Moral Philosophy. 3 Credits.

An introduction to moral philosophy through in-depth and critical reading of selected texts from the history of philosophy. The philosophers whose texts will be discussed include Aristotle, Kant, Mill, and Hannah Arendt.

Area: Humanities

AS.150.223. Formal Methods of Philosophy. 3 Credits.

For better or for worse (and we think better), during the last century or so, philosophy has become infused with logic. Logic informs nearly every area of philosophy; it is part of our shared language and knowledge base. Vast segments of literature, especially in contemporary analytic philosophy, presuppose basic competence in logic and a familiarity with associated formal methods, particularly set theoretical. The standard philosophy curriculum should therefore guarantee a minimum level of logic literacy, thus enabling students to read the literature without it seeming like an impenetrable foreign tongue. This course is an introductory survey of the formal methods that a contemporary philosopher should be familiar with. It is not mathematically demanding in the way that more advanced courses in metalogic and specialized topics may be. The emphasis is on basic comprehension, not on mathematical virtuosity.

Area: Humanities

AS.150.235. Philosophy of Religion. 3 Credits.

Can one prove or disprove the existence of God? What is the relation between reason and faith? Are science and religion at odds with one another? We will consider historically significant discussions of these questions as well as important contemporary writings.

Area: Humanities

AS.150.237. Foundations of Modern Political Philosophy. 3 Credits.

This course is an introduction to modern political philosophy through an intensive study of the classic texts. The focus will be on the nature and limits of political authority under modern social conditions. Authors included are Machiavelli, Hobbes, Locke, Rousseau and Mill.

Area: Humanities

AS.150.240. Intro-Political Philosop. 3 Credits.

This course begins by reviewing canonical texts in modern political philosophy beginning with Thomas Hobbes and John Locke and ends by exploring classic questions in contemporary debates in race, gender, and identity.

Area: Humanities

Writing Intensive

AS.150.245. Philosophy of Mind. 3 Credits.

If we know anything, it is natural to think it is our own minds. Despite this, philosophers have long disagreed about the natures of the states which make up our minds. And there is equally little agreement as to what makes such states count as mental in the first place. This course will investigate the nature of different aspects of mind and their interrelations. Time permitting, we will explore debates and puzzles about perception, memory, imagination, dreaming, pain and bodily sensation, emotion, action, volition and those states commonly classed as propositional attitudes: knowledge, belief, desire and intention. This will put us in a position to ask what if anything unifies such phenomena as mental

Area: Humanities

AS.150.260. Introduction to Metaphysics. 3 Credits.

Metaphysics addresses fundamental questions about the nature and structure of reality. This course will offer an introduction to metaphysics, and a survey of metaphysical debates about topics including free will, possibility and necessity, and arguments for the existence of God.

Area: Humanities

AS.150.300. Prometheus Editorial Workshop. 1 Credit.

Prometheus is an international undergraduate philosophy journal published by students at Johns Hopkins University. The purpose of the journal is to promote philosophic discourse of the highest standard by offering students an opportunity to engage in open discussion, participate in the production and publication of an academic journal, and establish a community of aspiring philosophers. Students enrolled in this workshop will act as the staff readers for the journal. For more information, please visit <https://prometheus.students.jh.edu/Prerequisite>: MUST have taken one philosophy course

Area: Humanities

AS.150.301. Majors Seminar. 3 Credits.

Topics change by semester. Please view class search to see what the topic is for a specific term.

Area: Humanities

Writing Intensive

AS.150.307. Plato's Phaedrus. 3 Credits.

This is a reading course. Together we will do a close reading of one of Plato's masterpieces, the Phaedrus. We will also use this text to address general questions of interpretation, such as how to approach a philosophical classic, how to discern its underlying idea, etc.

Area: Humanities

AS.150.312. Applied Public Health Ethics and Decision-Making. 3 Credits.

In this course, students receive an introduction to core theoretical foundations and case studies in public and global health ethics. This course adopts an applied framework for understanding how public health ethical values are navigated in different decision-making processes. This course is geared toward juniors and seniors.

Area: Humanities, Social and Behavioral Sciences

Writing Intensive

AS.150.313. Technology, Democracy, and Social Justice. 3 Credits.

This course will consider healthcare technologies through the lens of political values: democracy and social justice. At a broad level, we will ask of these technologies: Who should decide on their design and use when the experts don't resemble the public and the public lacks expertise? How can we provide broad access to the benefits of these new technologies without exposing vulnerable people to further risk and unfairness? More narrowly, the course will focus on four technologies that affect healthcare: anti-malarial "gene drive" mosquitoes, medical AI, genomic data collection, and social media. Gene drives hold the promise of modifying mosquitoes to prevent the spread of infectious disease, but they also expose people in lower-income countries to unanticipated risks. Artificial intelligence and genomic data can deliver scarce medical resources to those who need it most and tailor it to minorities based on their precise characteristics. But they can also exacerbate existing unfairness while exposing minorities to risks of further discrimination and surveillance. Social media has a similar potential to deliver crucial health data, especially in a pandemic. But it also promotes the spread of misinformation among the populations most in need of help. This course will consider how we can balance the benefits and risks of these novel technologies and who gets to decide that balance.

Area: Humanities

Writing Intensive

AS.150.330. Decisions, Games & Social Choice. 3 Credits.

We investigate rational decision making at the individual and group level. In the first section of the course on decision theory, we consider how a single rational agent will act in a choice situation given her knowledge, or lack thereof, about the world and her particular risk profile. In the second section on game theory, we explore different kinds of competitive and cooperative strategic interactions between agents, and we define different kinds of solutions, or equilibria, of these games. We also apply game theory to the study of morality, convention, and the social contract. In the final section of the course on social choice theory, we turn to group decision making with a focus on the impossibility results of Arrow and Sen.

Area: Humanities

AS.150.331. Themes from the Philosophy of Religion. 3 Credits.

Religion has always been a contested and extensively debated topic throughout the history of philosophy, and the topics from the philosophy of religion are still relevant today. In this course, we will look at several of those topics: what is religion? Do we have reason to believe or not believe in God? How does God relate to the world (or are there many Gods)? How can we understand religious practice? And what role (if any) should religion play in our society?

Area: Humanities

AS.150.355. Philosophy of Law. 3 Credits.

In this course we will examine major issues in the philosophy of law, including the nature of law, the role of the Constitution in legal decisions, and the justification of punishment. No previous knowledge of law or philosophy is required.

Area: Humanities

AS.150.356. Political Philosophy and Public Health Ethics. 3 Credits.

In 2015, Rand Paul generated controversy by insisting that parents should have complete discretion over whether to vaccinate their children. When pressed to come up with a defense for this policy, Paul replied, "The state doesn't own your children. Parents own the children, and it is an issue of freedom and public health." His rationale for his policy proposal and the responses to it hint at several fundamental questions about the role of the State as it pertains to producing health, as well as more practically oriented questions concerning policy. In this seminar, we will consider both sorts of questions. We will consider the merits of and objections to various policies such as cigarette bans, mandatory seatbelt or helmet laws for motorists, taxes for sugary beverages, and prohibitions of the private sale of organs. We will also ask more philosophical questions: When discussing public health, what constitutes 'the public'? And how should we connect public health and policy measures to salient concepts such as legitimacy, justice, coercion, manipulation, paternalism, autonomy, liberty, privacy, and parental rights? In asking these questions, both at the level of policy and more philosophically, we will engage with a variety of political theories, including various strands of feminism, anarchism, libertarianism, perfectionism, critical race theory, leftist theories, broadly consequentialist theories, and public reason liberalism. Must have some background in philosophy or bioethics.

Prerequisite(s): AS.150.219 OR AS.150.220 OR AS.150.237 OR

AS.150.240

Area: Humanities

AS.150.400. Simone de Beauvoir. 3 Credits.

Seminar on Beauvoir's moral philosophy, covering the major works of the 1940s. Readings will include selections from *The Blood of Others*, *Pyrrhus and Cineas*, *All Men are Mortal*, *The Ethics of Ambiguity*, and *The Second Sex*. Open to graduate students and advanced undergraduates. (Beginning undergraduates should contact Professor Kosch.) No prerequisites.

Area: Humanities

Writing Intensive

AS.150.401. Greek Philosophy: Plato and His Predecessors. 3 Credits.

A study of pre-Socratic philosophers, especially those to whom Plato reacted; also an examination of major dialogues of Plato with emphasis upon his principal theses and characteristic methods. Cross-listed with Classics.

Area: Humanities

Writing Intensive

AS.150.402. Aristotle. 3 Credits.

A study of major selected texts of Aristotle.

Area: Humanities

Writing Intensive

AS.150.403. Hellenistic Philosophy. 3 Credits.

A study of later Greek philosophy, stretching roughly from the death of Aristotle to the Roman imperial period. Epicureans, Stoics, and Skeptics will be the main philosophical schools examined.

Area: Humanities

Writing Intensive

AS.150.404. The Idea of Power. 3 Credits.

The Idea of Power surveys seminal texts in the history of political thought on the nature, promise, and dangers of political and social power; it also critically engages contemporary texts on race and gender power relations

Area: Humanities

AS.150.405. Evidence: An Introduction. 3 Credits.

What is evidence? Can it ever be disregarded in science, the law, or religion, and if so, when? What are the paradoxes of evidence (grue, ravens) and how can they be solved?

Area: Humanities

AS.150.406. Tragedy and Living Well. 3 Credits.

This course revisits the idea of tragedy as represented in Ancient Greek thought for the purpose of approaching questions of flourishing and ethical living from a different angle.

Area: Humanities

Writing Intensive

AS.150.409. Wittgenstein On Certainty. 3 Credits.

Wittgenstein's *On Certainty* consists of four notebooks containing remarks on knowledge, certainty, doubt and truth. In this course, we will undertake a close study of Wittgenstein's notes, critically examining competing interpretations of Wittgenstein's ideas and the different use of those ideas have been taken up in current debates about philosophical skepticism.

Area: Humanities

AS.150.410. The Philosophy of Afrofuturism I. 3 Credits.

The main goal of speculative fiction is to render a familiar world slightly unfamiliar to then ask familiar questions in new ways. Afrofuturism as a genre of sci-fi, fantasy, and horror written by and about black people, applies this ethic to the problems of race, broadly speaking. In this course we survey major texts to philosophically inquire into phenomena like incarceration, slavery and its lingering effects, and colonialism among other themes.

Area: Humanities

Writing Intensive

AS.150.411. Modal Psychology. 3 Credits.

In this seminar, we'll consider recent theoretical and experimental work by philosophers, psychologists, and cognitive scientists on the impact of our modal judgments (i.e., our judgments about whether a state or event is possible or not, statistically probable or not, morally bad or not, and so forth) in various cognitive domains. Among other things, we'll look at recent studies suggesting that our moral judgments can affect our judgments about whether an agent is free to act, our selection of causes, and our simulation of counterfactual possibilities in surprising ways.

Area: Humanities, Social and Behavioral Sciences

AS.150.415. Typefaces and Meaning. 3 Credits.

While linguists and philosophers have developed deep and intricate theories of meaning for natural language, considerably less attention has been paid to how the form of written and printed language can itself communicate content. In this seminar, we'll look at recent theoretical and experimental work across a range of different disciplines that converges on the idea that typeface choice can be a rational means to communicate and construct different personae. To get clearer about this phenomenon, we'll also look at philosophical work on meaning, and related research on sociolinguistic variation and the semantics and pragmatics of expressive language.

Area: Humanities

AS.150.417. Kant's 'Critique Of Pure Reason'. 3 Credits.

An examination of the philosophy of Immanuel Kant, with emphasis on The Critique of Pure Reason.

Area: Humanities

AS.150.418. Hermeneutics and Critical Theory. 3 Credits.

An introduction to two of the most important and influential schools in twentieth-century German philosophy. This course examines the works of four leading representatives of these schools, i.e. Heidegger, Gadamer, Horkheimer, and Habermas.

Area: Humanities

AS.150.419. Kant's Critique/Judgment. 3 Credits.

This course will examine closely and in detail the aesthetic and teleological parts of Kant's third masterpiece, The Critique of the Power of Judgment.

Area: Humanities

AS.150.420. Mathematical Logic I. 3 Credits.

Mathematical Logic I (H,Q) is the first semester of a year long course. It introduces the two notions of validity and provability for both sentential logic and first-order predicate logic, showing in each case that there is a system of derivation such that any argument is valid if and only if the conclusion is provable from the premises. The result is non-trivial since validity is a semantic notion involving the preservation of truth, while a proof is a finite syntactic object whose correctness can be effectively decided. The goal of the course, however, is to learn how to formulate mathematical theories in first-order logic and to explore various of their properties (or lack thereof) such as completeness, decidability, axiomatizability, finite axiomatizability, and consistency. The course concludes with a brief introduction to model theory and the interpretability of one theory in another, which is the basis for relative consistency proofs in mathematics.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.421. Mathematical Logic II. 3 Credits.

Euclid set a precedent for the codification of mathematics by axiomatizing the set of geometric truths. An obvious question that arises is whether all branches of mathematics are axiomatizable, especially fundamental ones, such as arithmetic. In the late nineteenth century, what became known as Peano arithmetic was proposed as an axiomatization. The essential feature of an axiomatization is that, although one might have an infinite number of axioms, as does Peano arithmetic, one must have a decision procedure for determining whether a given proposition is or is not an axiom. In 1931, Gödel proved the astounding result that, not only is Peano arithmetic incomplete in the sense that it does not entail all arithmetic truths, but any attempted axiomatization of arithmetic is incomplete, and thus the set of arithmetic truths must be undecidable. Subsequently, Alfred Tarski showed the set of arithmetic truths is not even definable. Also, by finding a finitely axiomatizable undecidable subtheory of Peano arithmetic, Alonzo Church was able to show that there is not even an effective procedure for determining whether a given sentence is a logical truth. Finally, in his 1931 paper, Gödel argued a second incompleteness theorem, viz., that any theory strong enough to express its own consistency, as he showed Peano arithmetic to be, cannot prove its own consistency unless it is inconsistent. We will cover these and other results that have had a profound effect on the foundations of mathematics. It remains an open question whether so basic a theory as Peano arithmetic is consistent.

Prerequisite(s): AS.150.420

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.422. Axiomatic Set Theory. 3 Credits.

A development of Zermelo-Fraenkel set theory (ZF), including the axiom of choice (ZFC), a system in which all of mathematics can be formulated (i.e., entails all theorems of mathematics). Although, we'll do an exposure to transfinite ordinals and cardinals in general so that you can get a sense for how stupendously "large" these can be, the main thrust concerns certain simple, seemingly well-posed conjectures whose status appears problematic. For example, the Continuum Hypothesis (CH) is the conjecture that the cardinality of the real numbers is the first uncountable cardinality, i.e., the first cardinality greater than that of the set of natural numbers. Equivalently, there is no uncountable subset of real numbers strictly smaller in cardinality than the full set of reals. (You'd think that if there were one, you would be able eventually to find such.) Cantor thought that CH is true, but could not prove it. Gödel showed, at least, that if ZFC is consistent, then so is ZFC+CH. However, Paul Cohen later proved that if ZFC is consistent, then so is ZFC + the negation of CH. In fact, CH could fail in astoundingly many ways. For example, the cardinality of the continuum could be (weakly) inaccessible, i.e., of a cardinality that cannot even be proved to exist in ZFC (although the reals can certainly be proved to exist in ZFC). So, are there further, intuitively true axioms that can be added to ZFC to resolve the cardinality of the continuum, and CH is definitely true or false? Or, as Cohen thought, does CH simply lack a definite truth value?

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.423. Theory of Knowledge. 3 Credits.

An advanced introduction to the central problems, concepts and theories of contemporary philosophical epistemology (theory of knowledge). Topics to be explored will include: what is knowledge (and why do we want it?); theories of justification (foundationalism, the coherence theory, etc.); externalism and internalism in epistemology; skepticism, relativism and how to avoid them. Reading from contemporary sources.

Area: Humanities

AS.150.425. Enlightenment Moral and Political Theory. 3 Credits.

An examination of some of the central texts of the Enlightenment, including works by Locke, Montesquieu, Rousseau, and Kant.

Area: Humanities
Writing Intensive

AS.150.426. Philosophy and Disability. 3 Credits.

In this course, we will consider various philosophical issues related to disability. What counts as a disability? What obligations do we have, both as individuals and as a society, to people with disabilities? What counts as respecting people with disabilities, and what counts as unjustifiable discrimination against them?

Prerequisite(s): AS.150.219 OR AS.150.220

Area: Humanities, Social and Behavioral Sciences
Writing Intensive

AS.150.428. Spinoza's Theological Political Treatise. 3 Credits.

The course is an in-depth study of Spinoza's Theological-Political Treatise. Among the topics to be discussed are: Spinoza's Bible criticism, the nature of religion, philosophy and faith, the nature of the ancient Hebrew State, Spinoza's theory of the State, the role of religion in Spinoza's political theory, the freedom to philosophize, the metaphysics of Spinoza's Theological-Political Treatise, and finally, the reception of the TTP.

AS.150.430. Hegel's Phenomenology of Spirit. 3 Credits.

From the opening chapter on "Sense-certainty" to the concluding "Absolute Knowledge," we will follow Hegel's account of the experience of consciousness through the transitions to self-consciousness, reason, spirit, and religion.

AS.150.432. Philosophy of Memory. 3 Credits.

Memory is amongst the most fundamental capacities of the mind. Without memory, we would be limited to our present experience, and many of our other cognitive capacities and social practices would be impossible. In this course we will investigate interconnected questions including: What is the nature of memory and of its different varieties? How should we study memory: what should be the roles of psychology, neuroscience, and introspection? If someone loses many of their memories due to injury or disease, are they still the same person—and should we still respect their past wishes and hold them responsible for their past deeds? What kinds of memory do other animals have and is this morally significant? Is forgetting always bad, or do we have a duty to remember? How do collective memory and public memorials relate to individual memory, and what lessons does the study of individual memory have for the politics of collective memory?

Area: Humanities
Writing Intensive

AS.150.433. Philosophy of Space & Time. 3 Credits.

Is space an entity that exists independently of matter (substantivalism), or is it only an abstraction from spatial relations between bodies (relationism)? Is there a lapse of time even when nothing changes, or is time only a measure of motion? Are motion and rest contrary properties or states of a body, or are there only changes in the positions of bodies relative to one another? Philosophers and physicists have disputed these questions from antiquity to the present day. We survey the arguments and attempt to find a resolution. But there are further questions. What is the significance of incongruent counterparts (left hands vs. right hands)? Is there a fact of the matter as to the geometry of space (flat, hyperbolic or elliptical), or as to whether space-like separated events occur at the same time? What is the principle of relativity? Does Einstein's theory have consequences for the substantivalist/relationist debate? What is the status of spacetime in current physics and cosmology? Why does time but not space have a "direction"? Are past, present and future objective features of reality, or are they merely "stubborn illusions"? Does time flow? If not, how do we account for our sense of the passage of time?

Area: Humanities, Natural Sciences

AS.150.434. Formal Methods of Philosophy. 3 Credits.

For better or for worse (and we think better), during the last century or so, philosophy has become infused with logic. Logic informs nearly every area of philosophy; it is part of our shared language and knowledge base. Vast segments of literature, especially in contemporary analytic philosophy, presuppose basic competence in logic and a familiarity with associated formal methods, particularly set theoretical. The standard philosophy curriculum should therefore guarantee a minimum level of logic literacy, thus enabling students to read the literature without it seeming like an impenetrable foreign tongue. This course is an introductory survey of the formal methods that a contemporary philosopher should be familiar with. It is not mathematically demanding in the way that more advanced courses in metalogic and specialized topics may be. The emphasis is on basic comprehension, not on mathematical virtuosity. Co-taught with AS.150.223 Formal Methods of Philosophy.

Area: Humanities

AS.150.436. Philosophy of Gender. 3 Credits.

In this class we will examine philosophical questions about gender, and about the intersections between gender and other social categories including race, class and sexuality. We will focus specifically on questions about the metaphysics of gender and other social categories.

Area: Humanities

AS.150.437. Kierkegaard. 3 Credits.

A survey of the works of Danish philosopher Søren Kierkegaard, considered by many to be the most important figure in the history of what came to be called 'existential philosophy', and one of the great moral psychologists in the history of western philosophy. We will read a broad selection from Kierkegaard's pseudonymous works, including *Either/Or*, *Fear and Trembling*, *The Concept of Anxiety* and *The Sickness unto Death*.

Area: Humanities
Writing Intensive

AS.150.441. Paradoxes of Agency and Belief. 3 Credits.

This course will focus on issues arising from the Socratic paradoxes of agency and from Moore's Paradox. Readings will include Platonic dialogues, the ethical writings of Kant, Fichte and Hegel, selections from Moore and Wittgenstein, and writings by contemporary philosophers of agency.

Area: Humanities

AS.150.442. Wittgenstein. 3 Credits.

An advanced introduction to the philosophical work of Ludwig Wittgenstein. We shall begin by examining the central ideas of Wittgenstein's *Tractatus Logico-Philosophicus* against the background of the philosophical work of Frege and Russell. We shall then move on to the *Philosophical Investigations*, paying special attention to his searching self-criticisms and to the "rule-following" and "private language" problems, as highlighted by Saul Kripke's pathbreaking but controversial account of Wittgenstein's argument.

Area: Humanities
Writing Intensive

AS.150.445. Berkeley's Idealism. 3 Credits.

Idealism is the view that, at bottom, whatever is - is an idea. For the idealist, to be is to be perceived. George Berkeley is probably the most famous idealist among European philosophers, and on this seminar we will read closely two of his major texts: *Principles of Human Knowledge* and *Three Dialogues between Hylas and Philonous*. Topics to be discussed include: the nature of bodies, the nature of the mind, the possible sources of our ideas, and Berkeley's understanding of God.

Area: Humanities

AS.150.447. The Logic of Spinoza's Ethics. 3 Credits.

One of the unique aspects of Spinoza's major work, the *Ethics*, is its formal or "geometric" structure. The book is written following the model of Euclid's *Elements*, with Definitions, Axioms, Propositions, and Demonstrations. In this seminar, we scrutinize the deductive structure of the *Ethics* and some of its earlier drafts. We consider the role and epistemic status of the definitions and axioms, attempt to provide rigorous reconstructions of some of its key propositions, and also investigate the possibility of alternative routes between these propositions.

Area: Humanities

AS.150.448. The Religion of Morality. 3 Credits.

In the wake of the Enlightenment criticism of traditional forms of religion, philosophers attempted to give religion a rational basis by equating it with moral practice. We will examine this religion of morality with the goal of determining whether it can vindicate its claim to be a genuine religion. We will read texts by Rousseau, Kant, Fichte, Hegel and Emerson.

Area: Humanities

AS.150.449. New Foundations for Mathematics. 3 Credits.

With the appearance of Zermelo-Fraenkel set theory (ZF) in the early 20th century and the subsequent identification of first-order logic, the problem of an adequate foundations for mathematics was thought to have been solved. The emergence of category theory (Cat) in the latter half of the century and more recently of homotopy type theory (HoT) has been seen to undermine ZF's foundational status and to threaten to replace it. In this course we will (1) see how ZF serves as a foundation, (2) learn a bit of Cat and HoT, and (3) discuss what the foundations can and should be (if any).

Area: Humanities, Social and Behavioral Sciences

AS.150.450. Topics in Biomedical Ethics. 3 Credits.

Area: Humanities
Writing Intensive

AS.150.451. Animal Points of View. 3 Credits.

Are non-human animals conscious? Do they possess a stream of consciousness like our own? This course will explore these questions by asking what it is for an animal to possess a point of view and a temporal point of view in particular.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.452. Freedom of Will & Moral Responsibility. 3 Credits.

What are freedom of the will and moral responsibility? Are they compatible with determinism or naturalism? This course will examine various philosophers' answers to these questions.

Area: Humanities
Writing Intensive

AS.150.453. Hegel's Logic. 3 Credits.

This seminar is a close study of Hegel's major work, the *Science of Logic*. Among the issues to be discussed are the questions: How should philosophy begin and what - if anything - can it take for granted? We will also attempt to scrutinize Hegel's attitude toward the law of non-contradiction.

Area: Humanities

AS.150.455. Ethics And Animals. 3 Credits.

Area: Humanities
Writing Intensive

AS.150.458. The Biggest Hits in Philosophy of Science (20th and 21st Centuries). 3 Credits.

Readings from Duhem, Carnap, Hempel, Popper, Quine, Kuhn, Feyerabend, van Fraassen, and others who got us where we are in the field today.

Quine said: Philosophy of science is philosophy enough. Is it?

Area: Humanities, Social and Behavioral Sciences

AS.150.459. Counterfactual Reasoning, Normative & Descriptive Aspects. 3 Credits.

Counterfactual reasoning is reasoning about what would be the case if things had been other than they are: If it had been sunny and so I didn't run into that store for cover from the rain, maybe I would never have met my future partner! How ought one to reason counterfactually? How do people in fact do it? Counterfactual reasoning might seem like a narrow topic, but it is of fundamental importance to both scientific and everyday inquiry, where it is intimately connected to the use of imagination, planning for the future, assessment of and learning from the past, providing explanations, understanding fictions, and constructing experiments. This course will explore both normative and empirical aspects of counterfactual reasoning, drawing upon readings in philosophy, psychology, and linguistics. An overarching goal of this course is to arrive at a better understanding of counterfactuality that is informed by research across these different disciplines.

Area: Humanities

AS.150.461. Theory Of Value. 3 Credits.

What is value? What is the difference between instrumental and final value? What is the relation of ethical and economic value? This course will explore a range of answers to these questions, with special focus on the role of desire and reason in determining value. Readings will include historical and contemporary authors.

Area: Humanities

AS.150.464. Hegel's Philosophy of Right. 3 Credits.

This course will be a close reading of G.W.F. Hegel's *Philosophy of Right*. Some of the main topics for discussion will be the relation of law and morality, the dependence of the political philosophy on Hegel's Logic, and the relation of individual and social conceptions of freedom.

Area: Humanities

AS.150.465. Topics in the Philosophy of Physics. 3 Credits.

This course will consider some philosophical topics in the foundations of physics. Entropy and the arrow of time – why time has a direction, whether it can be explained in terms of entropy, and what role the arrow of time plays in causation and emergence. Anthropic and indexical uncertainty – approaches to probability, reference classes, the cosmological multiverse, Boltzmann brains, simulation and doomsday arguments. Foundations of quantum mechanics – the measurement problem, many-worlds, probability and structure, alternative approaches.

Area: Humanities

AS.150.473. Classics of Analytic Philosophy. 3 Credits.

A reading of some of the classic philosophical works in 20th Century Analytic Philosophy, beginning with G. Frege and ending with V.O. Quine.

Area: Humanities

AS.150.474. Justice and Health. 3 Credits.

Course will consider the bearing of theories of justice on health care. Topics will include national health insurance, rationing and cost containment, and what justice requires of researchers in developing countries.

Area: Humanities

AS.150.475. The Nature and Significance of Animal Minds. 3 Credits.

Humans have a complicated relationship with other animals. We love them, befriend them and save them. We hunt, farm and eat them. We experiment on and observe them to discover more about them and to discover more about ourselves. For many of us, our pets are amongst the most familiar inhabitants of our world. Yet when we try to imagine what is going on in a dog or cat's mind – let alone that of a crow, octopus or bee – many of us are either stumped about how to go about this, or (the science strongly suggests) get things radically wrong. Is our thought about and behaviour towards animals ethically permissible, or even consistent? Can we reshape our habits of thought about animals to allow for a more rational, richer relationship with the other inhabitants of our planet? In this course, students will reflect on two closely intertwined questions: an ethical question, what sort of relationship ought we to have with animals?; and a metaphysical question, what is the nature of animal minds? Readings will primarily be from philosophy and ethics and the cognitive sciences, with additional readings from literature and biology.

There are no prerequisites for this class. It will be helpful but certainly not necessary to have taken previous classes in philosophy (especially ethics and philosophy of mind) or in cognitive science

Area: Humanities, Social and Behavioral Sciences

Writing Intensive

AS.150.476. Philosophy and Cognitive Science. 3 Credits.

This year's topic is perception. Questions will include: In what ways might perceptual states be like and unlike pictures? Does what we believe affect what we perceive? Is linguistic comprehension a kind of perception?

This course is geared toward advanced undergraduates and graduate students in philosophy and in the mind brain sciences and related fields. Others may be successful in the course depending on their prior course of study.

Area: Humanities, Social and Behavioral Sciences

AS.150.480. Death and Dying. 3 Credits.

What is death? How should we think about death? How should we think about it? How should we treat those who are dying including ourselves? This course will examine these and other philosophical questions.

Area: Humanities

Writing Intensive

AS.150.481. Hobbes' Leviathan. 3 Credits.

Thomas Hobbes' *Leviathan* is a masterpiece of modern political philosophy. This class is an in-depth study of that work.

Area: Humanities

AS.150.482. Food Ethics. 3 Credits.

Eating is an essential human activity: we need to eat to survive. But how should we eat? In this course, we consider such ethical questions as: Is it morally wrong to make animals suffer and to kill them in order to eat them? What is the extent of hunger and food insecurity, in this country and globally, and what should we as individuals do about it? Should the government try to influence our food choices, to make them healthier?

Area: Humanities

AS.150.483. Evidence, Foundations of Probability, and Speculation. 3 Credits.

The course examines major theories about the meaning of evidence and probability, and in terms of these provides answers to the questions "What is a scientific speculation?" and "When, if at all, is speculating important or even legitimate in science?" No previous study of evidence or probability is required.

Area: Humanities

AS.150.485. Descartes and Spinoza. 3 Credits.

Descartes and Spinoza are two of the leading philosophers of the modern period. In the class we will study the works of both figures. Special attention will be assigned to Spinoza's early works.

Area: Humanities

AS.150.486. Moral Imagination. 3 Credits.

This course explores the relationship between moral principles and how we use imagination to put or fail to put principles to work. We will read widely and eclectically in exploring this relationship.

Area: Humanities

AS.150.491. American Philosophy: Pragmatism. 3 Credits.

Studies of major figures in the history of American philosophy beginning with the 19th century. The course focuses on the development of pragmatism in the work Peirce, James and Dewey. Other philosophers, such as Royce and Mead, may also be studied.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.492. Plato's Republic. 3 Credits.

This course will be a close reading of Plato's *Republic*, with special attention to the parallel of city and soul, the relevance of metaphysics to politics, and the relation of aristocracy, democracy and tyranny.

Area: Humanities

AS.150.498. Modal Logic and Its Applications. 3 Credits.

In the first part of the course, we'll investigate the theory of modal logic, considering its syntax, semantics, and proof theory. We'll then turn to some of its philosophical applications: epistemic logic, counterfactuals, deontic logic, intuitionistic logic, and the metaphysics of time.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.511. Directed Study. 3 Credits.

Individual study of special topics, under regular supervision of a faculty member. Special permission is required.

Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration > Online Forms.
Writing Intensive

AS.150.512. Directed Study. 1 - 3 Credits.

Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration > Online Forms.

AS.150.551. Honors Project. 3 Credits.

See departmental major adviser.

Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration > Online Forms.

AS.150.552. Honors Project. 1 - 3 Credits.

Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration > Online Forms.

AS.150.603. Seminar in Modern Philosophy.

German-style colloquium for advanced graduate students working in the history of modern philosophy. Course will meet synchronously online every other week for the duration of the academic year. Spring offering will carry a separate course number.

Area: Humanities

AS.150.604. Graduate Seminar in the Philosophy of Science: The Big Issues.

Readings from Duhem, Carnap, Hempel, Popper, Quine, Kuhn, Feyerabend, van Fraassen, and others who, in the 20th and 21st centuries, got us where we are in the field today. And Quine added: philosophy of science is philosophy enough. Is it?

Area: Humanities, Social and Behavioral Sciences

AS.150.606. Seminar on Skepticism - Ancient & Modern.

Course will focus on ancient skepticism as a way of life, and on the role of epistemological argument in skepticism so conceived. The seminar will end with a brief look at early modern reactions to ancient skepticism.

AS.150.607. Graduate Seminar: Knowledge and Perception.

How does perception reveal the world, if it does? Why have philosophical reflections on perception often led to skepticism? For background, we will start with readings from Ayer and Austin (on the sense-datum theory), and Sellars (on the Myth of the Given). We will then spend time on contemporary "disjunctive" accounts of perceptual consciousness, with readings from McDowell, Travis and (possibly) others.

Area: Humanities

AS.150.609. Fichte, Schelling and Spinoza.

Spinoza constituted a major philosophical interlocutor for both Fichte and Schelling. In this class will study the critical reception of Spinoza by the two philosophers. Among the topics we intend to discuss are: freedom, God, the concept of substance, the nature of thought, and reason. Recommended Course Background: Previous acquaintance with Spinoza's ethics.

Area: Humanities

AS.150.612. The Birth of German Idealism.

This course will mainly consist of close readings of the work F.H. Jacobi, J.G. Fichte, and F.W.J. Schelling. We will focus on the issues of freedom and systematicity in the transformation of Kant's critical philosophy through the influence of Spinoza.

Area: Humanities

AS.150.613. Graduate Seminar: Topics in the Philosophy of Mind - Perception.

Recent work on the philosophy of perception, including Tyler Burge's new book Perception: First Form of Mind

Area: Humanities

AS.150.616. Is Scientific Knowledge Possible?.

Philosophical Views of Descartes, Newton, Duhem, Popper, Carnap, Goodman (grue), Kuhn, and Feyerabend.

Area: Humanities, Social and Behavioral Sciences

AS.150.617. Origins of Analytic Philosophy; Frege to Carnap.

Course description forthcoming. Previous philosophy classes of History of Modern Philosophy and/or Elementary Logic useful. This class is geared toward graduate students in philosophy.

Area: Humanities

AS.150.619. Topics in Hegel's Philosophy: The Philosophy of Right.

This course will be a close reading of G.W.F. Hegel's Philosophy of Right. Some of the main topics for discussion will be the relation of law and morality, the dependence of the political philosophy on Hegel's Logic, and the relation of individual and social conceptions of freedom.

Area: Humanities

AS.150.620. Political Philosophy.

A high level review of key thinkers in contemporary political thought.

Area: Humanities

Writing Intensive

AS.150.622. Graduate Seminar: Metametaphysics.

Metametaphysics is the study of the nature and viability of metaphysics. In this seminar we will engage with questions about metametaphysics, including questions about the relationship between metaphysics and science, responses to deflationist challenges, and the nature of social metaphysics.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.623. Seminar in German Idealism.

This course explores the transformation of Kantian idealism by F.W.J. Schelling and G.W.F. Hegel in their early years in Jena. Readings will include Schelling's System of Transcendental Idealism as well as Hegel's "Difference" essay and Faith and Knowledge.

Area: Humanities

AS.150.632. Formal Logic.

"An introduction to symbolic logic and probability. In the first two parts of the course we study formal ways of determining whether a conclusion of an argument follows from its premises. Included are truth-functional logic and predicate logic. In the third part we study the basic rules of probability, and learn how to make probability calculations and decisions in life." Co-listed with AS.150.118 (for undergraduate students) (01-F 11:00-11:50am).

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.633. Kant's Opus Postumum.

This research seminar examines the reasons that led Kant to revise his transcendental philosophy late in life. Special attention to problems in the *Metaphysics of Nature* and the *Metaphysics of Morals*. Students should be familiar with Kant's theoretical and practical philosophy.

AS.150.635. Graduate Seminar: Truthmaker Semantics & Pragmatics.

An investigation into the theory of truthmaker semantics and pragmatics and its applications to various problems in philosophical logic and linguistics. This course is geared toward graduate students. Some background in mathematical logic will be useful in this class.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.642. Seminar on Ancient Greek Ethics.

The seminar will focus on the ethical system of the Stoics. Stoic ethics is notorious for a number of apparently extreme assertions, such as "Virtue is the only good", "Virtue is sufficient for happiness", and "The wise man is happy on the rack". Yet the system had a wide following, over several centuries, in both the Greek and Roman worlds; and its devotees (including at least one Roman emperor, and a close adviser to another) were certainly not all fanatics. We will attempt to make sense of this ethical outlook, with particular focus on the relations among virtue, wisdom and happiness.

Area: Humanities

AS.150.645. Truthmakers.

An investigation into the metaphysics and semantics of truthmakers and their application in various areas of philosophy.

Area: Humanities

AS.150.651. Animal Points of View.

Are non-human animals conscious? Do they possess a stream of consciousness like our own? This course will explore these questions by asking what it is for an animal to possess a point of view and a temporal point of view in particular.

AS.150.653. Seminar: Philosophy of Physics.

Physicists, natural philosophers and ordinary people have long held that space and time are fundamental entities, the stage as it were for all bodies and their interactions. Although relativity now teaches us that space and time are not fundamental, but aspects of a single entity, spacetime, it is typically thought that the latter is strictly fundamental, especially given its dynamical role in general relativity as the gravitational field. Yet recent attempts to unify general relativity and quantum mechanics reject this view and instead hold that spacetime emerges from something non-spatiotemporal and more fundamental. But what is the nature of this emergence and from what does spacetime emerge? We will examine a variety of proposals and ask (i) what it means for spacetime to emerge from non-spatiotemporal features and (ii) how this compares with philosophical theories of emergence. On one approach in particular, spacetime (gravity) emerges from the entropy of quantum entanglement. Thus, because it appears to come in various forms, we will also be concerned to understand the concept of entropy. But we will consider other approaches as well (e.g., loop quantum gravity and causal set theory) and attendant issues such as the black hole information loss paradox, the holographic principle, and the conjecture that entangled particles are connected by a wormhole.

Area: Humanities, Quantitative and Mathematical Sciences

AS.150.668. Graduate Seminar on Essence.

An exploration of historical and contemporary work on the metaphysics of essence, and related questions about modality, explanation, identity and the Principle of Sufficient Reason. Readings will include work from Aristotle, Spinoza, Kripke and Fine. This course is open to upper level undergraduate students with the permission of the instructor.

Area: Humanities

AS.150.669. Topics in Practical Philosophy.

An investigation into central topics in practical philosophy.

Area: Humanities

AS.150.675. Recent Works in Skepticism.

We all take it for granted that perceptual experience yields knowledge of the world around us. But in his *Meditations on First Philosophy*, Descartes presents new and puzzling thought experiments. He asks whether there is any way to be sure that, when he takes himself to be experiencing things in the world around him, he is not dreaming. From there, he goes on to imagine an Evil Demon with the power to manipulate the total course of his (Descartes's) experience, so that what he naturally takes to be experience of the world around him is really a kind of perpetual dream: a simulation or virtual reality, as we might say today. Descartes's problem, which has made its way into popular culture through films like those in the "Matrix" series, remains a source of philosophical puzzlement. While no one believes that skeptical hypotheses like Demon or computer deception are true, it is not easy to say how we can exclude them. Given that the deception is systematic, it seems that any 'evidence' I cite could itself be part of the simulation. So how do I (or could I) know (for sure) that I'm not the victim of the Deceiver or the Matrix? We shall examine some of the latest attempts to respond to Descartes's challenge. Does the "How could I know?" question admit of a theoretical answer. Is the question itself somehow ill-posed? Can we answer it without making significant concessions to skepticism? What can we learn about knowledge (or the concept of knowledge) by coming to understand how skepticism arises and how it goes wrong (if it does)? Readings from contemporary sources.

Area: Humanities

AS.150.676. Graduate Seminar: Current Topics in Philosophy.

Rather than having a set topic, the point of this seminar is to stay up-to-date with the current philosophy literature by working through 1-2 recently published papers each week. The papers covered will depend on the research interests of the seminar participants (and my own).

Area: Humanities

AS.150.677. Moral Imagination.

This course explores the relationship between moral principles and how we use imagination to put or fail to put principles to work. We will read widely and eclectically in exploring this relationship.

Area: Humanities

AS.150.678. Social Construction.

An exploration of the metaphysics of social construction, examining different theories of social construction and related questions about social ontology, scientific realism and the boundaries of metaphysics.

Area: Humanities

AS.150.688. Philosophy of Psychology.

An examination of recent philosophical and empirical work on perception and consciousness.

Area: Humanities

AS.150.810. Independent Study.**AS.150.811. Directed Study.**

Please see AS.150.810 for section numbers to use when registering.

AS.150.812. Directed Study.

Please see AS.150.810 for section number to use when registering.

AS.150.813. Seminar in Modern Philosophy.

German-style colloquium for graduate students working in the history of modern philosophy. We will read newly-published work, invite speakers, and have presentations by advanced graduate students. First- and second-year students may register for a grade. Advanced graduate students in history of modern should audit/present

Area: Humanities

AS.150.821. Research Seminar in Language and Mind.

A workshop for current departmental research in language and mind. Permission required.

Area: Humanities

AS.150.822. READINGS AND SKILLS IN CONTEMPORARY PHILOSOPHY PART I.

This course provides skills training for a successful career in philosophy, through engagement with contemporary work across a wide range of areas of philosophy. As a class, we will choose accessible articles of general interest recently published in top journals. Each student will be responsible for presenting one of these articles to the class and leading discussion, with guidance from the instructors. All students will be required to carefully and closely read each paper for each class, and come prepared to discuss it in depth. The aim of this part of the course is to learn how to read and analyze articles, present work, and engage in constructive philosophical discussion. After presenting the paper, each presenter will be required to write a short reply. As a class, we will then engage in a mock review process, crafting anonymous referee reports, revising replies in the light of these, and writing letters to the editor explaining the revisions. The aim of this part of the course is to gain knowledge and skills relevant to writing philosophy and successful publication. The course is open to 1st and 2nd year Philosophy PhD students only. It will meet every other week in both the fall and the spring semesters; each semester is worth 2 credits and students are required to enroll in both. Grading will be based predominantly on participation and effort

Area: Humanities

AS.150.823. READINGS AND SKILLS IN CONTEMPORARY PHILOSOPHY II.

This course provides skills training for a successful career in philosophy, through engagement with cutting-edge contemporary work across a wide-range of areas of philosophy. As a class, we will choose accessible articles of general interest recently published in top journals. Each student will be responsible for presenting one of these articles to the class and leading discussion, with guidance from the instructors. All students will be required to carefully and closely read each paper for each class, and come prepared to discuss it in depth. The aim of this part of the course is to learn how to read and analyze articles, present work, and engage in constructive philosophical discussion. After presenting the paper, each presenter will be required to write a short reply to it, in the style of the relevant journal. As a class, we will then engage in a mock review process, crafting anonymous referee reports, revising replies in the light of these, and discussing these as editors. The aim of this part of the course is to gain knowledge and skills relevant to writing philosophy and successful publication. The course is open to 1st and 2nd year graduate students. It will meet every other week in both the fall and the spring semesters; each semester is worth 2 credits and students are required to enroll in both. Grading will be based predominantly on participation and effort. Upper-year graduate students may audit the course by permission of the instructors, conditional on their commitment to attend and engage as full members of the class; if student numbers are high, priority with respect to presentations will be given to 1st and 2nd year students.

Prerequisite(s): AS.150.822

Area: Humanities

Writing Intensive

AS.150.824. Research Seminar.

For 3rd and 4th year Philosophy graduate students working on their Qualifying Papers and Dissertation Proposals. Meets every other week.

Area: Humanities

AS.150.825. Research Seminar.

In this course students will present drafts of Qualifying Papers and first dissertation chapters, receiving feedback from students, the instructor and other relevant faculty.

Area: Humanities

AS.150.850. Summer Research.

Students research and develop their dissertation topic.