

## DEPARTMENT OF LINGUISTICS AND PHILOSOPHY

As its name suggests, the Department of Linguistics and Philosophy houses a linguistics section and a philosophy section. Though they share a number of intellectual interests and a joint undergraduate major, these two sections are administratively autonomous with separate chairpersons, faculties, admissions procedures, curricular and degree requirements, and financial aid programs.

### Undergraduate Study

#### **Bachelor of Science in Philosophy (Course 24-1)**

This major (<http://catalog.mit.edu/degree-charts/philosophy-course-24-1>) is designed to provide familiarity with the history and current status of the main problems in epistemology, metaphysics, and ethics; mastery of some of the technical skills requisite for advanced work in philosophy; facility at independent philosophical study; and work at an advanced level in an allied field. A relatively large amount of unrestricted elective time is available so that students can devise programs suited to individual needs and interests.

#### **Bachelor of Science in Linguistics and Philosophy (Course 24-2)**

This major, also known as the Program in Language and Mind, aims to provide students with a working knowledge of a variety of issues that currently occupy the intersection of philosophy, linguistics, and cognitive science. Central among these topics are the nature of language, of those mental representations that we call "knowledge" and "belief," and of the innate basis for the acquisition of certain types of knowledge (especially linguistic knowledge). Students have the option of pursuing either a philosophy track (<http://catalog.mit.edu/degree-charts/linguistics-philosophy-course-24-2/#philosophytext>) or a linguistics track (<http://catalog.mit.edu/degree-charts/linguistics-philosophy-course-24-2/#linguisticstext>). Both require a core set of subjects drawn from both fields and are designed to teach students the central facts and issues in the study of language and the representation of knowledge. Each track requires, in addition, a set of subjects drawn primarily from its discipline and is designed to prepare students for graduate study either in philosophy/cognitive science or in linguistics. A coherent program of three restricted electives (drawn from one or two of the following three areas: linguistics, philosophy, or a related area) rounds out the major.

Note that students are prohibited from majoring in both 24-1 and 24-2.

#### **Minor in Philosophy**

The goal of the Minor in Philosophy is to introduce students to the methods of analytic philosophy and then to have them study a

broad range of philosophers and philosophical issues at a more sophisticated level, culminating in an advanced seminar.

The minor consists of six subjects arranged into three levels of study as follows:

#### Tier I

Select any introductory philosophy subject numbered 24.00 - 24.09 <sup>1</sup>	12
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Select one of the following logic subjects: <sup>2</sup>	12
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24.118	Paradox and Infinity
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24.241	Logic I
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24.242	Logic II
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24.243	Classical Set Theory
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24.244	Modal Logic
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24.245	Theory of Models
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#### Tier II

Select three non-introductory philosophy subjects, approved by the minor advisor	36
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#### Tier III

24.260	Topics in Philosophy	12
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Total Units	72
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<sup>1</sup> Students may substitute an appropriate philosophy course subject with the permission of the minor advisor.

<sup>2</sup> Students may take a logic subject offered by another department (e.g., Mathematics) with the permission of the minor advisor.

#### **Minor in Linguistics**

The Minor in Linguistics consists of six subjects arranged in three levels of study, intended to provide students with breadth in the field of theoretical linguistics as a whole. The three levels are as follows:

#### Tier I

24.900	Introduction to Linguistics	12
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#### Tier II

24.901	Language and Its Structure I: Phonology	12
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24.902	Language and Its Structure II: Syntax	12
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24.903	Language and Its Structure III: Semantics and Pragmatics	12
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#### Tier III

Select two of the following:	24
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24.904	Language Acquisition
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24.905[J]	Laboratory in Psycholinguistics
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24.906[J]	The Linguistic Study of Bilingualism
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24.907[J]	Abnormal Language
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24.909	Field Methods in Linguistics
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24.910	Advanced Topics in Linguistic Analysis	
24.914	Language Variation and Change	
24.915	Linguistic Phonetics	
Total Units		72

## Graduate Study

### **Master of Science in Linguistics**

The Department of Linguistics and Philosophy has an Indigenous Language Initiative program leading to a Master of Science in Linguistics. For more information about this experimental degree, visit the website (<http://web.mit.edu/linguistics/www/mitili>) or contact the program administrator ([mitili@mit.edu](mailto:mitili@mit.edu)).

### **Doctor of Philosophy in Linguistics**

The Linguistics Section offers a demanding program leading to the degree of Doctor of Philosophy in Linguistics. The normal course of study is five years, including the writing of the dissertation. The orientation of the program is highly theoretical, its central aim being the development of a general theory that reveals the rules and laws that govern the structure of a given language and the general laws and principles that govern all natural languages. The topics that form the core of this program are the traditional ones of phonology, syntax, and semantics, but the program's interests also extend into questions of the interrelations between linguistics and other disciplines such as philosophy and logic, speech science and technology, computer science and artificial intelligence, and study of the brain and cognition.

Approximately eight students enter the program each year in a highly selective admissions process. The department does not require that applicants have taken any particular set of subjects or that they be trained in any particular discipline. Instead, applicants must present evidence that they are able to engage in serious scholarly inquiry of complex subject matter.

All students in the linguistics program must complete a set of required subjects unless they have acquired adequate preparation elsewhere. Before degree candidates begin their doctoral research, they are required to pass a comprehensive general examination, in conformity with Institute requirements.

The following subjects are normally required of all doctoral candidates in linguistics:

24.951	Introduction to Syntax	12
24.961	Introduction to Phonology	12
24.970	Introduction to Semantics	12
24.952	Advanced Syntax	12
24.962	Advanced Phonology	12
24.973	Advanced Semantics	12

24.993	Tutorial in Linguistics and Related Fields	
24.942	Topics in the Grammar of a Less Familiar Language	12
24.949[[]]	Language Acquisition I	9
24.991	Workshop in Linguistics (two terms)	12

Two additional subjects, including:

An advanced subject with research paper requirement in syntax/semantics

An advanced subject with research paper requirement in phonology/morphology

Before students begin their doctoral research, they are required to pass a comprehensive general examination that is composed of two parts. The first part is a written examination consisting of two substantial papers on topics chosen in consultation with members of the faculty. The two papers must present research on two distinct topics in two distinct subdisciplines of linguistics. The subdisciplines include phonetics, phonology, syntax, semantics, pragmatics, language acquisition, language processing, or any other area of linguistics, so long as there is a substantial theoretical-linguistic component to the papers. In conformity with Institute regulations, the second part of the examination is oral. It deals with topics treated in the candidate's written examination, but is not limited to these and probes into the candidate's competence in linguistics in general.

For more information about the PhD program requirements, visit the website (<http://web.mit.edu/philosophy/PhDprogram.html>).

### **Doctor of Philosophy in Philosophy**

The program of studies leading to the doctorate in philosophy provides subjects and seminars in such traditional areas as logic, ethics, metaphysics, epistemology, philosophy of science, philosophy of language, philosophy of mind, aesthetics, social and political philosophy, and history of philosophy. Interest in philosophical problems arising from other disciplines, such as linguistics, psychology, mathematics, and physics, is also encouraged.

To enter the doctoral program, students must have done well in their previous academic work and must be formally accepted as candidates for the degree by the Department of Linguistics and Philosophy. Although there are no formal course requirements for admission, applicants must satisfy the committee on admissions that their preparation in philosophy and allied disciplines is sufficient for undertaking the study of philosophy at the graduate level.

Before beginning dissertation research, students are required to take two years of coursework, including a proseminar in contemporary philosophy that all students must complete in their first year of graduate study. Students are also required to

demonstrate competence in the following areas: value theory, logic, and the history of philosophy.

Interdisciplinary study is encouraged, and candidates for the doctorate may take a minor in a field other than philosophy. Options for minors include linguistics, psychology, and logic. Students who elect one of these options are expected to complete three approved graduate subjects in their minor field. There is no general language requirement for the doctorate, except in those cases in which competence in one or more foreign languages is needed to carry on research for the dissertation.

For more information about the PhD program requirements, visit the website (<http://web.mit.edu/philosophy/PhDprogram.html>).

### ***Inquiries***

Information regarding undergraduate or graduate academic programs, research activities, admissions, financial aid, and assistantships may be obtained from the Department of Linguistics and Philosophy, Room 32-D808, 617-253-9372.

### **Faculty and Teaching Staff**

David Pesetsky, PhD  
Ferrari P. Ward Professor of Modern Languages and Linguistics  
Head, Department of Linguistics and Philosophy

#### ***Professors***

Adam Albright, PhD  
Professor of Linguistics  
(On leave, spring)

Alex Byrne, PhD  
Professor of Philosophy

Noam Chomsky, PhD  
Professor of Linguistics

Michel DeGraff, PhD  
Professor of Linguistics

Kai von Fintel, PhD  
Andrew E. Mellon Professor in the Humanities  
Professor of Linguistics

Suzanne Flynn, PhD  
Professor of Second Language Acquisition

Daniel Fox, PhD  
Anshen-Chomsky Professor in Language and Thought  
Professor of Linguistics

Caspar Hare, PhD  
Professor of Philosophy

Sally Haslanger, PhD  
Ford International Professor  
Professor of Philosophy

Irene R. Heim, PhD  
Professor of Linguistics

Sabine Iatridou, PhD  
Professor of Linguistics

Michael John Kenstowicz, PhD  
Professor of Linguistics

Vann McGee, PhD  
Professor of Philosophy  
(On leave, spring)

Shigeru Miyagawa, PhD  
Kochi Prefecture-John Manjiro Professor in Japanese Language and Culture  
Professor of Linguistics

Wayne O'Neil, PhD  
Professor of Linguistics

Agustín Rayo, PhD  
Professor of Philosophy  
Associate Dean, School of Humanities, Arts, and Social Sciences

Norvin W. Richards, PhD  
Professor of Linguistics

Roger Schwarzschild, PhD  
Professor of Linguistics

Kieran Setiya, PhD  
Professor of Philosophy

Donca Steriade, PhD  
Class of 1941 Professor  
Professor of Linguistics  
(On leave)

Roger White, PhD  
Professor of Philosophy

Stephen Yablo, PhD  
David W. Skinner Professor  
Professor of Philosophy

#### ***Associate Professors***

Edward Flemming, PhD  
Associate Professor of Linguistics

Martin Hackl, PhD  
Associate Professor of Linguistics

Tamar Schapiro, PhD  
Associate Professor of Philosophy

Miriam Schoenfield, PhD  
Associate Professor of Philosophy

Bradford Skow, PhD  
Laurance S. Rockefeller Professor of Philosophy  
Associate Professor of Philosophy

### ***Assistant Professors***

Edwin Green, PhD  
Assistant Professor of Philosophy

Justin Khoo, PhD  
Class of 1948 Career Development Professor  
Assistant Professor of Philosophy  
(On leave, spring)

John Haven Spencer II, PhD  
Assistant Professor of Philosophy

### **Research Staff**

#### ***Research Specialists***

Leo Rosenstein, MA  
Research Specialist in Linguistics and Philosophy

### **Professors Emeriti**

Sylvain Bromberger, PhD  
Professor Emeritus of Philosophy

Morris Halle, PhD  
Institute Professor Emeritus  
Professor Emeritus of Linguistics

James Wesley Harris, PhD  
Professor Emeritus of Linguistics  
Professor Emeritus of Spanish

Samuel Jay Keyser, PhD  
Professor Emeritus of Linguistics

Robert Stalnaker, PhD  
Laurance S. Rockefeller Professor in Philosophy Emeritus

Judith Jarvis Thomson, PhD  
Professor Emerita of Philosophy

Kenneth Wexler, PhD  
Professor Emeritus of Psychology  
Professor Emeritus of Linguistics

## **Philosophy**

### ***Undergraduate Subjects***

#### **24.00 Problems of Philosophy**

Prereq: None  
U (Spring)  
3-0-9 units. HASS-H; CI-H

Introduction to the problems of philosophy- in particular, to problems in ethics, metaphysics, theory of knowledge, and philosophy of logic, language, and science. A systematic rather than historical approach. Readings from classical and contemporary sources, but emphasis is on examination and evaluation of proposed solutions to the problems.

*A. Byrne*

#### **24.01 Classics of Western Philosophy**

Prereq: None  
U (Fall)  
3-0-9 units. HASS-H; CI-H

Introduction to Western philosophical tradition through the study of selected major thinkers such as Plato, Aristotle, Lucretius, Descartes, Hobbes, Leibniz, Locke, Berkeley, Hume, Kant, Nietzsche and Marx. Emphasis on changes of intellectual outlook over time, and the complex interplay of scientific, religious and political concerns that influence the development of philosophical ideas.

*S. Haslanger*

#### **24.02 Moral Problems and the Good Life**

Prereq: None  
U (Fall)  
3-0-9 units. HASS-H; CI-H

Introduction to important philosophical debates about moral issues and what constitutes a good life: What is right, what is wrong, and why? How important are personal happiness, longevity, and success if one is to live a good life? When is it good for you to get what you want? To what extent are we morally obliged to respect the rights and needs of others? What do we owe the poor, the discriminated, our loved ones, animals and fetuses?

*K. Setiya*

**24.03 Good Food: The Ethics and Politics of Food**

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H; CI-H

Explores the values (aesthetic, moral, cultural, religious, prudential, political) expressed in the choices of food people eat. Analyzes the decisions individuals make about what to eat, how society should manage food production and consumption collectively, and how reflection on food choices might help resolve conflicts between different values.

*S. Haslanger***24.04[] Justice**

Same subject as 17.01[]

Prereq: None

U (Spring)

3-0-9 units. HASS-H; CI-H

An examination of alternative theories of justice—utilitarianism, rights theories, social contract theory, and communitarianism—and the implications of those theories for problems of liberty, equality, and community. Readings drawn principally from the work of contemporary political philosophers, including Rawls, Nozick, Dworkin, Walzer, MacIntyre, and Buchanan.

*M. Kates***24.05 Philosophy of Religion**

Prereq: None

U (Spring)

3-0-9 units. HASS-H; CI-H

Uses key questions in the philosophy of religion to introduce tools of contemporary philosophy. Explores what defines a god, the possibility of the existence of gods, the potential conflict between religion and science, whether morality requires a divine author, and religious tolerance.

*J. Spencer***24.06[] Bioethics**

Same subject as STS.006[]

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H; CI-H

Considers ethical questions that have arisen from the growth of biomedical research and the health-care industry since World War II. Should doctors be allowed to help patients end their lives? If so, when and how? Should embryos be cloned for research and/or reproduction? Should parents be given control over the genetic make-up of their children? What types of living things are appropriate to use as research subjects? How should we distribute scarce and expensive medical resources? Draws on philosophy, history, and anthropology to show how problems in bioethics can be approached from a variety of perspectives.

*Staff***24.07 The Ethics of Climate Change (New)**

Prereq: None

U (Spring)

3-0-9 units. HASS-H; CI-H

Deals with ethical questions raised by the way in which our climate is changing as a result of fossil fuel consumption. Explores the moral problems raised by these effects, the obligations of individuals and governments, the difficulties involved in dealing with uncertainty, catastrophe, and the ethics of future generations.

*C. Hare, K. Setiya***24.08[] Philosophical Issues in Brain Science**

Same subject as 9.48[]

Prereq: None

U (Fall)

3-0-9 units. HASS-H; CI-H

An introduction to some central philosophical questions about the mind, specifically those intimately connected with contemporary psychology and neuroscience. Discussions focus on arguments over innate concepts; 'mental images' as pictures in the head; whether color is in the mind or in the world; and whether there can be a science of consciousness. Explains the relevant parts of psychology and neuroscience as the subject proceeds.

*E. J. Green*

### 24.09 Minds and Machines

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H; CI-H

Introduction to philosophy of mind. Can computers think? Is the mind an immaterial thing? Alternatively, is the mind the brain? How can creatures like ourselves think thoughts that are about things? Can I know whether your experiences are the same as mine when we both look at raspberries, fire trucks, and stoplights? Can consciousness be given a scientific explanation?

*Staff*

### 24.111 Philosophy of Quantum Mechanics

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Quantum mechanics is said to describe a world in which physical objects often lack "definite" properties, indeterminism creeps in at the point of "observation," ordinary logic does not apply, and distant events are perfectly yet inexplicably correlated. Examination of these and other issues central to the philosophical foundations of quantum mechanics, with special attention to the measurement problem, no-hidden-variables proofs, and Bell's Inequalities. Rigorous approach to the subject matter nevertheless neither presupposes nor requires the development of detailed technical knowledge of the quantum theory.

*B. Skow*

### 24.112 Space, Time, and Relativity

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Philosophical questions raised by relativistic and pre-relativistic physics, especially questions about space and time. Discussions focus on Newton's arguments for the existence of absolute space and time; pre-relativistic arguments that the geometry of space is a matter of convention; and counter arguments from relativity showing that the passage of time is not a real phenomenon. Other topics include the relationship between matter and energy in relativity, and the possibility of time travel. Previous exposure to special relativity will be helpful but is not required.

*Staff*

### 24.115 Philosophy and Time

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Fall)

3-0-9 units. HASS-H

Considers a wide range of philosophical questions about time through the lenses of metaphysics, philosophy of mind, and theory of value. Topics include the question of time's existence, how our minds represent events in time, and whether it is rational to be 'biased toward the future.'

*B. Skow*

### 24.118 Paradox and Infinity

Prereq: None

U (Spring)

3-0-9 units. HASS-H

Different kinds of infinity; the paradoxes of set theory; the reduction of arithmetic to logic; formal systems; paradoxes involving the concept of truth; Godel's incompleteness theorems; the nonformalizable nature of mathematical truth; and Turing machines.

*A. Rayo*

### 24.120 Moral Psychology

Prereq: None

U (Spring)

3-0-9 units. HASS-H

An examination of philosophical theories of action and motivation in the light of empirical findings from social psychology, sociology and neuroscience. Topics include belief, desire, and moral motivation; sympathy and empathy; intentions and other committing states; strength of will and weakness of will; free will; addiction and compulsion; guilt, shame and regret; evil; self-knowledge and self-deception; virtues and character traits.

*E. J. Green*

### 24.130 Philosophy and the Arts (New)

Prereq: None

U (Fall)

3-0-9 units. HASS-H

Explores philosophical questions about art in general, and about the particular arts, such as literature and music. Measures the answers philosophers have proposed to these questions against our own experiences with the arts. Readings include short works of literature. Includes a museum visit with no charge to students.

*B. Skow*

**24.200 Ancient Philosophy (New)**

Subject meets with 24.420

Prereq: One Philosophy subject or permission of instructor  
U (Fall)

3-0-9 units. HASS-H

Investigates the origins of Western philosophy in ancient Greece. Aims both to understand the philosophical questions the Greeks were asking on their own terms, and to assess their answers to them. Examines how a human being can lead a good life, the relationship between morality and happiness, our knowledge of the world around us, and the entities we need to appeal to in order to explain that world. Students taking graduate version complete additional assignments.

*K. Meadows*

**24.201 Topics in the History of Philosophy**

Prereq: One philosophy subject or permission of instructor  
U (Fall)

3-0-9 units. HASS-H

Can be repeated for credit.

Close examination of a text, an author, or a theme in the history of philosophy. Can be repeated for credit with permission of the instructor and advisor.

*T. Schapiro*

**24.211 Theory of Knowledge**

Prereq: One philosophy subject  
U (Spring)

3-0-9 units. HASS-H

Study of problems concerning our concept of knowledge, our knowledge of the past, our knowledge of the thoughts and feelings of ourselves and others, and our knowledge of the existence and properties of physical objects in our immediate environment.

*M. Schoenfield*

**24.215 Topics in the Philosophy of Science**

Prereq: One philosophy subject  
Acad Year 2017-2018: Not offered  
Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Can be repeated for credit.

Close examination of a small number of issues central to recent philosophy of science, such as the demarcation problem, causal relations, laws of nature, underdetermination of theory by data, paradoxes of confirmation, scientific realism, the role of mathematics in science, elimination of bias, and the objectivity of scientific discourse.

*B. Skow*

**24.221 Metaphysics**

Prereq: One philosophy subject  
U (Fall)

3-0-9 units. HASS-H

Study of basic metaphysical issues concerning existence, the mind-body problem, personal identity, and causation plus its implications for freedom. Classical as well as contemporary readings. Provides practice in written and oral communication.

*S. Yablo*

**24.222 Decisions, Games and Rational Choice**

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Foundations and philosophical applications of Bayesian decision theory, game theory and theory of collective choice. Why should degrees of belief be probabilities? Is it always rational to maximize expected utility? If so, why and what is its utility? What is a solution to a game? What does a game-theoretic solution concept such as Nash equilibrium say about how rational players will, or should, act in a game? How are the values and the actions of groups, institutions and societies related to the values and actions of the individuals that constitute them?

*V. McGee*

**24.230 Meta-ethics**

Prereq: One philosophy subject or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Fall)

3-0-9 units. HASS-H

Considers a range of philosophical questions about the foundations of morality, such as whether and in what sense morality is objective, the nature of moral discourse, and how we can come to know right from wrong.

*J. Khoo*

**24.231 Ethics**

Prereq: One philosophy subject  
U (Spring)

3-0-9 units. HASS-H

Systematic study of central theories in ethics, including egoism, act and rule utilitarianism, intuitionism, emotivism, rights theories, and contractualism. Discussion and readings also focus on problems associated with moral conflicts, justice, the relationship between rightness and goodness, objective vs. subjective moral judgments, moral truth, and relativism.

*T. Schapiro*

**24.235[] Philosophy of Law**

Same subject as 17.021[]

Prereq: One Philosophy subject or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Examines fundamental issues in philosophy of law, such as the nature and limits of law and a legal system, and the relation of law to morality, with particular emphasis on the philosophical issues and problems associated with privacy, liberty, justice, punishment, and responsibility. Historical and contemporary readings, including court cases. Instruction and practice in oral and written communication provided.

*Staff*

**24.236 Topics in Social Theory and Practice**

Subject meets with 24.636

Prereq: One philosophy subject or permission of instructor

U (Spring)

3-0-9 units. HASS-H

An in-depth consideration of a topic in social theory with reflection on its implications for social change. Examples of topics include race and racism; punishment and prison reform; global justice and human rights; gender and global care chains; environmentalism and industrial agriculture; bioethics, disability, and human enhancement; capitalism and commodification; and sexuality and the family. Readings draw from both social science and philosophy with special attention to the normative literature relevant to the issue. Students taking graduate version complete additional assignments.

*S. Haslanger*

**24.237[] Feminist Thought**

Same subject as 17.007[], WGS.301[]

Subject meets with 17.006[], 24.637[]

Prereq: None

U (Fall)

3-0-9 units. HASS-H

Analyzes theories of gender and politics, especially ideologies of gender and their construction; definitions of public and private spheres; gender issues in citizenship, the development of the welfare state, experiences of war and revolution, class formation, and the politics of sexuality. Graduate students are expected to pursue the subject in greater depth through reading and individual research.

*E. Wood*

**24.241 Logic I**

Prereq: None

U (Fall)

3-0-9 units. HASS-H

Introduction to the aims and techniques of formal logic. The logic of truth functions and quantifiers. The concepts of validity and truth and their relation to formal deduction. Applications of logic and the place of logic in philosophy.

*M. Schoenfield*

**24.242 Logic II**

Prereq: 24.241 or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

The central results of modern logic: the completeness of predicate logic, recursive functions, the incompleteness of arithmetic, the unprovability of consistency, the undefinability of truth, Skolem-Löwenheim theorems, and nonstandard models.

*V. McGee*

**24.243 Classical Set Theory**

Prereq: 24.241 or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Introduction to the basic concepts and results of standard, i.e., Zermelo-Fraenkel, set theory, the axioms of ZF, ordinal and cardinal arithmetic, the structure of the set-theoretic universe, the axiom of choice, the (generalized) continuum hypothesis, inaccessible, and beyond.

*V. McGee*

**24.244 Modal Logic**

Prereq: 24.241

U (Fall)

3-0-9 units. HASS-H

Sentential and quantified modal logic, with emphasis on the model theory ("possible worlds semantics"). Soundness, completeness, and characterization results for alternative systems. Tense and dynamic logics, epistemic logics, as well as logics of necessity and possibility. Applications in philosophy, theoretical computer science, and linguistics.

*V. McGee*



**24.245 Theory of Models**

Prereq: 24.241 or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Fall)

3-0-9 units. HASS-H

Studies fundamental results in the model theory of the first-order predicate calculus. Includes completeness, compactness, Löwenheim-Skolem, omitting types, ultraproducts, and categoricity in a cardinal, starting with Tarski's definition of logical consequence, in terms of truth in a model.

*V. McGee*

**24.251 Introduction to Philosophy of Language**

Prereq: One philosophy subject

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-H

Examines views on the nature of meaning, reference, and truth, and their bearing on the use of language in communication. No knowledge of logic or linguistics presupposed. Instruction and practice in oral and written communication provided.

*J. Khoo*

**24.253 Philosophy of Mathematics**

Prereq: One philosophy subject or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Fall)

3-0-9 units. HASS-H

Philosophical issues about or related to mathematics, including the existence and nature of basic mathematical objects such as numbers and sets, how we can come to have knowledge of such objects, the status of mathematical truth, the relation of mathematics to logic, and whether classical logic can be called into question.

*V. McGee*

**24.260 Topics in Philosophy**

Prereq: Two subjects in philosophy

U (Fall)

3-0-9 units. HASS-H

Close examination of a single book, or group of related essays, with major significance in recent philosophy. Subject matter varies from year to year. Intended primarily for majors and minors in philosophy. Opportunities are provided for oral presentation. Students will be required to revise at least one paper in response to instructor's comments.

*C. Hare*

**24.280 Foundations of Probability**

Prereq: One philosophy subject or one subject on probability

U (Spring)

3-0-9 units. HASS-H

Topics include probability puzzles, common fallacies in probabilistic reasoning, defenses and criticisms of Kolmogorov's axiomatization, interpretations of probability (including the frequency, logical, propensity, and various subjectivist interpretations), the relation of objective chance to rational subjective credence, conditional probability, rules for updating probability, and proposals for supplementing the probability calculus with further principles.

*R. White*

**24.292 Independent Study: Philosophy**

Prereq: Any two subjects in philosophy

U (Fall)

Units arranged

Open to qualified students who wish to pursue special studies or projects. Students electing this subject must consult the undergraduate officer.

*Staff*

**24.293 Independent Study: Philosophy**

Prereq: Any two subjects in philosophy

U (Spring)

Units arranged

Open to qualified students who wish to pursue special studies or projects. Students electing this subject must consult the undergraduate officer.

*Staff*

**24.500 Special Subject: Philosophy**

Prereq: None

U (Fall, Spring)

Not offered regularly; consult department

3-0-9 units

Can be repeated for credit.

Undergraduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.S20 Special Subject: Philosophy**

Prereq: One philosophy subject or permission of instructor

U (Fall, Spring)

Not offered regularly; consult department

3-0-9 units

Can be repeated for credit.

Undergraduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.UR Undergraduate Research**

Prereq: None

U (Fall, IAP, Spring, Summer)

Units arranged [P/D/F]

Can be repeated for credit.

Research opportunities in linguistics and philosophy. For further information, consult the departmental coordinators.

*Staff*

**24.URG Undergraduate Research**

Prereq: None

U (Fall, IAP, Spring, Summer)

Units arranged

Can be repeated for credit.

Research opportunities in linguistics and philosophy. For further information consult the departmental coordinators.

*Staff*

**Undergraduate Seminars**

**24.191 Being, Thinking, Doing (or Not): Ethics in Your Life**

Prereq: None

U (Spring)

2-0-4 units

Provides an opportunity to explore a wide range of ethical issues through guided discussions that are geared to equip students for ongoing reflection and action. Lectures and discussions with guest faculty, as well as attendance at on-and off-campus events, expose students to ethical problems and resources for addressing them. Encourages students to work collaboratively as they clarify their personal and vocational principles. Topics vary each term and will reflect the interests of those enrolled.

*Staff*

**24.192 Language, Information, and Power**

Prereq: One philosophy subject or permission of instructor

U (Fall)

2-0-4 units

Explores foundational issues about language and communication by investigating different ways language and its use affects various aspects of lived experience. Topics include speech act theory, lying, propaganda, censorship, expressions of knowledge, communication in non-cooperative contexts.

*J. Khoo*

**Graduate Subjects**

**24.400 Proseminar in Philosophy I**

Prereq: Permission of instructor

G (Fall)

6-0-18 units

Advanced study of the basic problems of philosophy. Intended for first-year graduate students in philosophy.

*J. Spencer, R. White*

**24.401 Proseminar in Philosophy II**

Prereq: Permission of instructor

G (Spring)

6-0-18 units

Advanced study of the basic problems of philosophy. Intended for first-year graduate students in philosophy.

*B. Skow, S. Yablo*

**24.410 Topics in the History of Philosophy**

Prereq: Permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Spring)

3-0-9 units

Can be repeated for credit.

Intensive study of a philosopher or philosophical movement. Content varies from year to year and subject may be taken repeatedly with permission of instructor and advisor.

*Staff*

**24.420 Ancient Philosophy (New)**

Subject meets with 24.200  
 Prereq: Permission of instructor  
 G (Fall)  
 3-0-9 units

Investigates the origins of Western philosophy in ancient Greece. Aims both to understand the philosophical questions the Greeks were asking on their own terms, and to assess their answers to them. Examines how a human being can lead a good life, the relationship between morality and happiness, our knowledge of the world around us, and the entities we need to appeal to in order to explain that world. Students taking graduate version complete additional assignments.

*K. Meadows*

**24.500 Topics in Philosophy of Mind**

Prereq: Permission of instructor  
 G (Spring)  
 3-0-9 units  
 Can be repeated for credit.

Selected topics in philosophy of mind. Content varies from year to year. Topics may include consciousness, mental representation, perception, and mental causation.

*E. J. Green*

**24.501 Problems in Metaphysics**

Prereq: Permission of instructor  
 G (Fall)  
 3-0-9 units  
 Can be repeated for credit.

Systematic examination of selected problems in metaphysics. Content varies from year to year and subject may be taken repeatedly with permission of instructor and advisor.

*A. Byrne, A. Pautz, J. Spencer*

**24.502 Topics in Metaphysics and Ethics**

Prereq: Permission of instructor  
 Acad Year 2017-2018: Not offered  
 Acad Year 2018-2019: G (Fall)  
 3-0-9 units  
 Can be repeated for credit.

Systematic examination of selected problems concerning the relation between metaphysics and ethics, for example questions about personal identity and its relation to issues about fairness and distribution, or questions about the relation between causation and responsibility. Content may vary from year to year, and the subject may be taken repeatedly with the permission of the instructor and the student's advisor.

*Staff*

**24.503 Topics in Philosophy of Religion**

Prereq: Permission of instructor  
 Acad Year 2017-2018: Not offered  
 Acad Year 2018-2019: G (Fall)  
 3-0-9 units  
 Can be repeated for credit.

Selected topics in philosophy of religion. Content varies from year to year. Topics may include the traditional arguments for the existence of God, religious experience, the problem of evil, survival after death, God and ethics.

*A. Byrne*

**24.601 Topics in Moral Philosophy**

Prereq: Permission of instructor  
 G (Spring)  
 3-0-9 units

Systematic examination of selected problems in moral philosophy. Content varies from year to year. Subject may be repeated only with permission of instructor and advisor.

*C. Hare, K. Setiya*

**24.611[*J*] Political Philosophy**

Same subject as 17.000[*J*]  
 Prereq: Permission of instructor  
 Acad Year 2017-2018: G (Fall)  
 Acad Year 2018-2019: Not offered  
 3-0-9 units  
 Can be repeated for credit.

See description under subject 17.000[*J*].

*S. Hahn*

**24.635 Topics in Critical Social Theory (New)**

Prereq: Permission of instructor  
 G (Spring)  
 3-0-9 units  
 Can be repeated for credit.

Explores topics arising within critical race theory, feminist theory, queer theory, disability studies, working class studies, and related interdisciplinary efforts - both historical and contemporary - to understand and promote social justice.

*S. Haslanger*

**24.636 Topics in Social Theory and Practice**

Subject meets with 24.236

Prereq: None

G (Spring)

3-0-9 units

An in-depth consideration of a topic in social theory with reflection on its implications for social change. Examples of topics include race and racism; punishment and prison reform; global justice and human rights; gender and global care chains; environmentalism and industrial agriculture; bioethics, disability, and human enhancement; capitalism and commodification; and sexuality and the family. Readings draw from both social science and philosophy with special attention to the normative literature relevant to the issue. Students taking graduate version complete additional assignments.

*S. Haslanger*

**24.637[J] Feminist Thought**

Same subject as 17.006[J]

Subject meets with 17.007[J], 24.237[J], WGS.301[J]

Prereq: Permission of instructor, based on previous coursework

G (Fall)

3-0-9 units

See description under subject 17.006[J].

*E. Wood*

**24.711 Topics in Philosophical Logic**

Prereq: Permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Spring)

3-0-9 units

Can be repeated for credit.

Problems of ontology, epistemology, and philosophy of language that bear directly on questions about the nature of logic and the conceptual analysis of logical theory, such as logical truth, logical consequence, and proof. Content varies from year to year and subject may be taken repeatedly upon permission of instructor and advisor.

*V. McGee*

**24.729 Topics in Philosophy of Language**

Prereq: Permission of instructor

G (Fall)

3-0-9 units

Can be repeated for credit.

Major issues in the philosophy of language. Topics change each year and subject may be taken repeatedly with permission of instructor.

*J. Khoo, V. McGee*

**24.805 Topics in Theory of Knowledge**

Prereq: Permission of instructor

G (Spring)

3-0-9 units

Can be repeated for credit.

Major issues in theory of knowledge. Topics change each year and subject may be taken repeatedly with permission of instructor.

*M. Schoenfield, R. White*

**24.810 Topics in Philosophy of Science**

Prereq: Permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Fall)

3-0-9 units

Can be repeated for credit.

Topics in the foundations of science: the nature of concepts and theories, the distinction between empirical and theoretical knowledge claims, realist and instrumentalist interpretation of such claims, and the analysis of scientific explanation. The central topic varies from year to year. Subject may be taken repeatedly with the permission of instructor and advisor.

*Staff*

**24.891 Independent Study: Philosophy**

Prereq: Permission of advisor

G (Fall, Spring, Summer)

Units arranged

Can be repeated for credit.

Open to qualified graduate students in philosophy who wish to pursue special studies or projects.

*Consult Department Headquarters*

**24.892 Independent Study: Philosophy**

Prereq: Permission of advisor

G (Fall, Spring, Summer)

Units arranged [P/D/F]

Can be repeated for credit.

Open to qualified graduate students in philosophy who wish to pursue special studies or projects.

*Consult Department Headquarters*

**24.893 Dissertation Workshop (New)**

Prereq: Permission of Instructor

G (Fall, Spring)

2-0-1 units

Workshop for students working on their dissertations. Restricted to philosophy doctoral students.

*Fall: A. Byrne & C. Hare*

*Spring: A. Rayo*

**24.THG Graduate Thesis**

Prereq: Permission of instructor  
 G (Fall, IAP, Spring, Summer)  
 Units arranged  
 Can be repeated for credit.

Program of research and writing of thesis, to be arranged by the student with supervising committee.

*Staff*

**24.S40 Special Seminar: Philosophy**

Prereq: None  
 G (Fall, Spring)  
 3-0-9 units  
 Can be repeated for credit.

Graduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.S41 Special Seminar: Philosophy**

Prereq: Permission of Instructor  
 G (Fall)  
 3-0-9 units

Graduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*B. Skow*

**Linguistics*****Undergraduate Subjects*****24.900 Introduction to Linguistics**

Prereq: None  
 U (Fall)  
 4-0-8 units. HASS-S; CI-H  
 Credit cannot also be received for 24.9000

Studies what is language and what does knowledge of a language consist of. It asks how do children learn languages and is language unique to humans; why are there many languages; how do languages change; is any language or dialect superior to another; and how are speech and writing related. Context for these and similar questions provided by basic examination of internal organization of sentences, words, and sound systems. Assumes no prior training in linguistics.

*A. Albright*

**24.9000 How Language Works (New)**

Prereq: None  
 U (Spring)  
 4-0-8 units. HASS-S  
 Credit cannot also be received for 24.900

Introduces the field of linguistics as the scientific study of the human capacity for language, and its interaction with other cognitive systems. Examines specific phenomena that reveal the general laws and principles that govern the structure of all human languages, as well as the ways in which languages do differ. Topics include language acquisition and use, language change, dialects, and language technologies, with a special focus on collection and analysis of linguistic data. Assumes no prior training in linguistics.

*K. von Fintel*

**24.901 Language and Its Structure I: Phonology**

Subject meets with 24.931  
 Prereq: 24.900  
 U (Fall)  
 3-0-9 units. HASS-S

Introduction to fundamental concepts in phonological theory and their relation to issues in philosophy and cognitive psychology. Articulatory and acoustic phonetics, distinctive features and the structure of feature systems, underlying representations and underspecification, phonological rules and derivations, syllable structure, accentual systems, and the morphology-phonology interface. Examples and exercises from a variety of languages.

*M. Kenstowicz*

**24.902 Language and Its Structure II: Syntax**

Subject meets with 24.932  
 Prereq: 24.900  
 U (Fall)  
 3-0-9 units. HASS-S

Introduction to fundamental concepts in syntactic theory and its relation to issues in philosophy and cognitive psychology. Examples and exercises from a variety of languages.

*N. Richards*

**24.903 Language and Its Structure III: Semantics and Pragmatics**

Subject meets with 24.933

Prereq: 24.900

U (Spring)

3-0-9 units. HASS-S

Introduction to fundamental concepts in semantic and pragmatic theory. Basic issues of form and meaning in natural languages. Ambiguities of structure and of meaning. Compositionality. Word meaning. Quantification and logical form. Contexts: indexicality, discourse, presupposition and conversational implicature.

*R. Schwarzschild*

**24.904 Language Acquisition**

Prereq: 24.900 or permission of instructor

U (Spring)

3-0-9 units. HASS-S

Covers the major results in the study of first-language acquisition concentrating on the development of linguistic structure, including morphology, syntax, and semantics. Universal aspects of development are discussed, as well as a variety of cross-linguistic phenomena. Theories of language learning are considered, including parameter-setting and maturation.

*M. Hackl*

**24.905[] Laboratory in Psycholinguistics**

Same subject as 9.59[]

Prereq: 9.00 or 24.900

U (Spring)

3-3-6 units. Institute LAB

See description under subject 9.59[].

*E. Gibson*

**24.906[] The Linguistic Study of Bilingualism**

Same subject as 21G.024[]

Prereq: 24.900

U (Fall)

3-0-9 units. HASS-S; CI-H

Development of bilingualism in human history (from *Australopithecus* to present day). Focuses on linguistic aspects of bilingualism; models of bilingualism and language acquisition; competence versus performance; effects of bilingualism on other domains of human cognition; brain imaging studies; early versus late bilingualism; opportunities to observe and conduct original research; and implications for educational policies among others. Students participate in six online web meetings with partner institutions. Taught in English. Enrollment limited.

*S. Flynn*

**24.907[] Abnormal Language**

Same subject as 9.56[]

Prereq: 24.900 or permission of instructor

U (Fall)

Not offered regularly; consult department

3-0-9 units. HASS-S

See description under subject 9.56[].

*Staff*

**24.908 Creole Languages and Caribbean Identities**

Prereq: None

U (Spring)

3-0-9 units. HASS-S; CI-H

Caribbean Creole languages result from language contact via colonization and the slave trade. Explores creolization from cognitive, historical and comparative perspectives and evaluates popular theories about "Creole genesis" and the role of language acquisition. Also explores non-linguistic creolization in literature, religion and music in the Caribbean and addresses issues of Caribbean identities by examining Creole speakers' and others' beliefs toward Creole cultures. Draws comparisons with aspects of African-American culture.

*M. DeGraff*

**24.909 Field Methods in Linguistics**

Prereq: 24.901, 24.902, permission of instructor

U (Spring)

3-1-8 units. Institute LAB

Explores the structure of an unfamiliar language through direct work with a native speaker. Students complete a grammatical sketch of the phonology and syntax, work in groups on specific aspects of the language's structure, and assemble reports to create a partial grammar of the language. Provides instruction and practice in written and oral communication. Enrollment limited.

*Staff*

**24.910 Advanced Topics in Linguistic Analysis**

Prereq: 24.901, 24.902, 24.903; or permission of instructor

U (Spring)

3-0-9 units. HASS-S

Can be repeated for credit.

In-depth study of an advanced topic in phonetics, phonology, morphology, syntax or semantics, with a focus on the interfaces among these grammar components. Provides practice in written and oral communication.

*S. Flynn*

**24.912[[]] Black Matters: Introduction to Black Studies**

Same subject as 21H.106[[]], 21L.008[[]], 21W.741[[]], WGS.190[[]]

Prereq: None

U (Spring)

3-0-9 units. HASS-A, HASS-H; CI-H

Interdisciplinary survey of people of African descent that draws on the overlapping approaches of history, literature, anthropology, legal studies, media studies, performance, linguistics, and creative writing. Connects the experiences of African-Americans and of other American minorities, focusing on social, political, and cultural histories, and on linguistic patterns. Includes lectures, discussions, workshops, and required field trips that involve minimal cost to students.

*M. Degraff*

**24.913[[]] Language and Technology**

Same subject as 21A.503[[]], STS.070[[]]

Prereq: None

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Fall)

3-0-9 units. HASS-S

See description under subject 21A.503[[]].

*G. Jones*

**24.914 Language Variation and Change**

Prereq: 24.900

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: U (Spring)

3-0-9 units. HASS-S

Explores how linguistic systems vary across time and space. Uses case studies in particular languages to examine how language transmission and social factors shape the grammatical systems of individual speakers, and how grammar constrains variation and change. Students work in groups to analyze corpus or survey data. Provides instruction and practice in written and oral communication.

*A. Albright*

**24.915 Linguistic Phonetics**

Subject meets with 24.963

Prereq: 24.900

U (Spring)

3-0-9 units. HASS-S

The study of speech sounds: how we produce and perceive them and their acoustic properties. The influence of the production and perception systems on phonological patterns and sound change. Acoustic analysis and experimental techniques. Students taking the graduate version complete different assignments.

*E. Flemming*

**24.916[[]] Old English and Beowulf**

Same subject as 21L.601[[]]

Prereq: None

U (Spring)

3-0-9 units. HASS-H

See description under subject 21L.601[[]].

*A. Bahr*

**24.918 Workshop in Linguistic Research**

Prereq: 24.901, 24.902, 24.903; or permission of instructor

U (Spring)

3-0-9 units. HASS-S

Students pursue individual research projects in linguistic analysis under the guidance of an advisor. Class meets weekly for presentation of student research and to critically discuss background reading. Focuses on developing skills in linguistic argumentation and presentation of findings. Provides practice in written and oral communication. Includes a 20-page final paper that each student presents to the class.

*Staff*

**24.919 Independent Study: Linguistics**

Prereq: None

U (Fall, Spring, Summer)

Units arranged

Can be repeated for credit.

Open to qualified students who wish to pursue special studies or projects.

*Consult Department Headquarters*

**24.UR Undergraduate Research**

Prereq: None

U (Fall, IAP, Spring, Summer)

Units arranged [P/D/F]

Can be repeated for credit.

Research opportunities in linguistics and philosophy. For further information, consult the departmental coordinators.

*Staff*

**24.URG Undergraduate Research**

Prereq: None

U (Fall, IAP, Spring, Summer)

Units arranged

Can be repeated for credit.

Research opportunities in linguistics and philosophy. For further information consult the departmental coordinators.

*Staff*

**24.590 Special Subject: Linguistics**

Prereq: 24.900 or permission of instructor  
U (Fall, Spring)  
Not offered regularly; consult department  
3-0-9 units  
Can be repeated for credit.

Undergraduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**Graduate Subjects**

**24.921 Independent Study: Linguistics**

Prereq: Permission of advisor  
G (Fall, Spring, Summer)  
Units arranged  
Can be repeated for credit.

Open to qualified graduate students in linguistics who wish to pursue special studies or projects.

*Consult Department Headquarters*

**24.922 Independent Study: Linguistics**

Prereq: Permission of advisor  
G (Fall, Spring, Summer)  
Units arranged [P/D/F]  
Can be repeated for credit.

Open to qualified graduate students in linguistics who wish to pursue special studies or projects.

*Consult Department Headquarters*

**24.931 Language and Its Structure I: Phonology**

Subject meets with 24.901  
Prereq: 24.900 or permission of instructor  
G (Fall)  
3-0-9 units

Meets with 24.901, but assignments differ. See description under 24.901.

*M. Kenstowicz*

**24.932 Language and Its Structure II: Syntax**

Subject meets with 24.902  
Prereq: 24.900 or permission of the instructor  
G (Fall)  
3-0-9 units

Meets with 24.902, but assignments differ. See description under 24.902.

*N. Richards*

**24.933 Language and Its Structure III: Semantics and Pragmatics**

Subject meets with 24.903  
Prereq: 24.900 or permission of instructor  
G (Spring)  
3-0-9 units

Meets with 24.903, but assignments differ. See description under 24.903.

*R. Schwarzschild*

**24.942 Topics in the Grammar of a Less Familiar Language**

Prereq: 24.951  
G (Spring)  
3-0-9 units  
Can be repeated for credit.

Students work with a native speaker of a language whose structure is significantly different from English, examining aspects of its syntax, semantics, and phonology. In the course of doing this, students will acquire techniques for gathering linguistic data from native speakers. Enrollment limited.

*M. Kenstowicz, N. Richards*

**24.943 Syntax of a Language (Family)**

Prereq: Permission of instructor  
Acad Year 2017-2018: Not offered  
Acad Year 2018-2019: G (Fall)  
3-0-9 units

Detailed examination of the syntax of a particular language or language family, and theories proposed in the existing literature to account for the observed phenomena.

*M. DeGraff*

**24.946 Linguistic Theory and Japanese Language**

Prereq: Permission of instructor  
G (Fall)  
3-0-6 units

Detailed examination of the grammar of Japanese and its structure which is significantly different from English, with special emphasis on problems of interest in the study of linguistic universals. Data from a broad group of languages studied for comparison with Japanese. Assumes familiarity with linguistic theory.

*S. Miyagawa*



**24.947 Language Disorders in Children**

Prereq: None

G (Spring)

3-0-9 units

Reading and discussion of current linguistic theory, first language acquisition and language disorders in young children. Focus on development of a principled understanding of language disorders at the phonological, morphological and syntactic levels. Examines ways in which these disorders confront theories of language and acquisition.

*S. Flynn***24.948 Linguistic Theory and Second and Third Language Acquisition in Children and Adults**

Prereq: Permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Spring)

3-0-6 units

Students read and discuss current linguistic theory, first language acquisition research, and data concerning second and third language acquisition in adults and children. Focuses on development of a theory of second and third language acquisition within current theories of language. Emphasizes syntactic, lexical, and phonological development. Examines ways in which these bodies of data confront theories of language and the mind. When possible, students participate in practica with second and/or third language learners.

*S. Flynn***24.949]] Language Acquisition I**

Same subject as 9.601]]

Prereq: Permission of instructor

G (Fall)

3-0-6 units

See description under subject 9.601]].

*M. Hackl***24.951 Introduction to Syntax**

Prereq: Permission of instructor

G (Fall)

3-0-9 units

Introduction to theories of syntax underlying work currently being done within the lexical-functional and government-binding frameworks. Organized into three interrelated parts, each focused upon a particular area of concern: phrase structure; the lexicon; and principles and parameters. Grammatical rules and processes constitute a focus of attention throughout the course that serve to reveal both modular structure of grammar and interaction of grammatical components.

*D. Pesetsky***24.952 Advanced Syntax**

Prereq: 24.951

G (Spring)

3-0-9 units

Problems in constructing an explanatory theory of grammatical representation. Topics drawn from current work on anaphora, casemarking, control, argument structure, Wh- and related constructions. Study of language-particular parameters in the formulation of linguistic universals.

*S. Iatridou, D. Pesetsky***24.954 Pragmatics in Linguistic Theory**

Prereq: Permission of instructor

G (Spring)

3-0-9 units

Formal theories of context-dependency, presupposition, implicature, context-change, focus and topic. Special emphasis on the division of labor between semantics and pragmatics. Applications to the analysis of quantification, definiteness, presupposition projection, conditionals and modality, anaphora, questions and answers.

*D. Fox***24.955 More Advanced Syntax**

Prereq: 24.951, 24.952

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Spring)

3-0-9 units

An advanced-level survey of topics in syntax.

*S. Iatridou*

**24.956 Topics in Syntax**

Prereq: 24.951  
 G (Fall, Spring)  
 3-0-9 units  
 Can be repeated for credit.

The nature of linguistic universals that make it possible for languages to differ and place limits on these differences. Study of selected problem areas show how data from particular languages contribute to the development of a strong theory of universal grammar and how such a theory dictates solutions to traditional problems in the syntax of particular languages.

Fall: *D. Fox, N. Richards*  
 Spring: *N. Richards*

**24.960 Syntactic Models**

Prereq: 24.951, 24.952  
 Acad Year 2017-2018: Not offered  
 Acad Year 2018-2019: G (Fall)  
 3-0-9 units

Comparison of different proposed architectures for the syntax module of grammar. Subject traces several themes across a wide variety of approaches, with emphasis on testable differences among models. Models discussed include ancient and medieval proposals, structuralism, early generative grammar, generative semantics, government-binding theory/minimalism, LFG, HPSG, TAG, functionalist perspectives and others.

*D. Pesetsky*

**24.961 Introduction to Phonology**

Prereq: Permission of instructor  
 G (Fall)  
 3-0-9 units

Introduction to the current research questions in phonological theory. Topics include metrical and prosodic structure, features and their phonetic basis in speech, acquisition and parsing, phonological domains, morphology, and language change and reconstruction. Activities include problemsolving, squibs, and data collection.

*E. Flemming*

**24.962 Advanced Phonology**

Prereq: 24.961  
 G (Spring)  
 3-0-9 units

Continuation of 24.961.

*M. Kenstowicz*

**24.963 Linguistic Phonetics**

Subject meets with 24.915  
 Prereq: None  
 G (Spring)  
 3-0-9 units

The study of speech sounds: how we produce and perceive them and their acoustic properties. The influence of the production and perception systems on phonological patterns and sound change. Acoustic analysis and experimental techniques. Students taking the graduate version complete different assignments.

*E. Flemming*

**24.964 Topics in Phonology**

Prereq: 24.961  
 G (Fall, Spring)  
 3-0-9 units  
 Can be repeated for credit.

In-depth study of a topic in current phonological theory.

Fall: *S. Zukoff*  
 Spring: *N. Feldman, R. Katzir, R. Levy*

**24.965 Morphology**

Prereq: Permission of instructor  
 G (Fall)  
 3-0-9 units

Structure of the lexicon and its function in grammar. Properties of word-formation rules. Problems of selection, productivity, and compositionality. Systems of inflectional categories: case and tense. Phonological aspects of word structure: allomorphy, cyclic phonology, constituent structure, and boundaries. Detailed analysis of languages with complex morphology.

*A. Albright, R. Katzir, D. Pesetsky*

**24.966]] Laboratory on the Physiology, Acoustics, and Perception of Speech**

Same subject as 6.542]], HST.712]]  
 Prereq: Permission of instructor  
 G (Spring)  
 2-2-8 units

See description under subject 6.542]].

*L. D. Braid, S. Shattuck-Hufnagel, J.-Y. Choi*

**24.967 Topics in Experimental Phonology**

Prereq: 24.961, 24.963, or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Fall)

3-0-9 units

Experimental techniques to test predictions drawn from current phonological theory. Includes a survey of experimental methodologies currently in use, an introduction to experimental design and analysis, and critical consideration of how experimental results are used to inform theory.

*A. Albright, E. Flemming***24.970 Introduction to Semantics**

Prereq: Permission of instructor

G (Fall)

3-0-9 units

Basic issues of form and meaning in formalized and natural languages. Conceptual, logical, and linguistic questions about truth. Reference, modal, and intensional notions. The role of grammar in language use and context-dependency. Ambiguities of structure and meaning, and dimensions of semantic variation in syntax and the lexicon.

*M. Hackl, R. Schwarzschild***24.973 Advanced Semantics**

Prereq: Permission of instructor

G (Spring)

3-0-9 units

Current work on semantics and questions of logic and meaning for syntactic systems in generative grammar.

*K. von Stechow, I. Heim***24.979 Topics in Semantics**

Prereq: Permission of instructor

G (Fall, Spring)

3-0-9 units

Can be repeated for credit.

Seminar on current research in semantics and generative grammar. Topics may vary from year to year.

*Fall: Kai von Stechow, S. Iatridou**Spring: D. Fox, I. Heim, R. Schwarzschild***24.981 Topics in Computational Phonology**

Prereq: 24.961 or permission of instructor

Acad Year 2017-2018: Not offered

Acad Year 2018-2019: G (Spring)

3-0-9 units

Exploration of issues in the computational modeling of phonology: finding generalizations in data, formalisms for representing phonological knowledge, modeling grammar acquisition, and testing phonological theories by means of implemented models. Experience using and developing models, including preparing training data, running simulations, and interpreting their results. No background in programming or machine learning is assumed.

*A. Albright***24.991 Workshop in Linguistics**

Prereq: Permission of instructor

G (Fall, Spring)

3-0-9 units

Can be repeated for credit.

An intensive group tutorial/seminar for discussion of research being conducted by participants. No listeners.

*Fall: M. DeGraff, M. Kenstowicz**Spring: E. Flemming, S. Iatridou***24.993 Tutorial in Linguistics and Related Fields**

Prereq: Permission of instructor

G (Fall, Spring)

Units arranged

Can be repeated for credit.

Individual or small-group tutorial in which students, under the guidance of a faculty member, explore the interrelations with linguistics of some specified area.

*Consult Department Headquarters***24.THG Graduate Thesis**

Prereq: Permission of instructor

G (Fall, IAP, Spring, Summer)

Units arranged

Can be repeated for credit.

Program of research and writing of thesis, to be arranged by the student with supervising committee.

*Staff*

**24.S93 Special Seminar: Linguistics**

Prereq: None

G (Fall, Spring)

Not offered regularly; consult department

Units arranged

Can be repeated for credit.

Covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.S94 Special Seminar: Linguistics**

Prereq: Permission of instructor

G (Fall; partial term)

Not offered regularly; consult department

3-0-3 units

Can be repeated for credit.

Half-term subject that covers topics in linguistics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.S95 Special Seminar: Linguistics**

Prereq: Permission of Instructor

G (Fall, Spring)

Not offered regularly; consult department

3-0-9 units

Can be repeated for credit.

Graduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*

**24.S96 Special Seminar: Linguistics**

Prereq: Permission of Instructor

G (Fall, Spring)

Not offered regularly; consult department

3-0-9 units

Can be repeated for credit.

Graduate subject that covers topics not offered in the regular curriculum. Consult department to learn of offerings for a particular term.

*Staff*