

## Course Descriptions

**PETE 3450**  
Special Populations in Physical Education  
3:2:3 Su, F, Sp

• Prerequisite(s): EDSP 3400, PETE 4210  
Involves planning and conducting physical education programs for children with special needs. Incorporates hands-on experiences working with individual with special needs. Analyzes of a variety of possible adaptations for individuals with physical, sensory, emotional, and/or intellectual impairments.

**PETE 4200**  
Methods of Teaching Elementary Physical Education  
3:2:2 Su, F, Sp

• Prerequisite(s): PETE 3100  
• Corequisite(s): PETE 4210  
Promotes the analysis and development of elementary physical education curricula. Applies curricular concepts through reading, lecture/discussion, movement, self-appraisal, and teaching children. Applies educational principles and techniques necessary for effective teaching in the elementary school. Emphasizes appropriate selection of curriculum content and transition to teaching/learning models. Offers unit and lesson planning and evaluation.

**PETE 4210**  
Elementary Physical Education Field Experience  
1:0:3 Su, F, Sp

• Prerequisite(s): PETE 3100  
• Corequisite(s): PETE 4200  
Analyzes elementary physical education curricula through guided observations and controlled teaching experience. Applies curricular concepts through a guided observation, self-appraisal, lesson/unit planning, and teaching children.

**PETE 4250**  
Methods of Teaching Secondary Physical Education  
3:2:2 Sp

• Prerequisite(s): PETE 4200 and PETE 4210, or permission of instructor  
• Corequisite(s): PETE 4260  
Promotes the analysis and development of secondary physical education curricula. Applies curricular concepts through reading, lecture/discussion, movement, self-appraisal, and teaching teenagers. Application of educational principles and techniques necessary for effective teaching in the secondary school. Emphasizes appropriate selection of curriculum content and transition to teaching/learning models. Involves unit and lesson planning and evaluation.

**PETE 4260**  
Secondary Physical Education Field Experience  
1:0:3 Su, F, Sp

• Prerequisite(s): PES 3550, PETE 3100, PETE 4200, PETE 4210, or permission of instructor  
• Corequisite(s): PETE 4250  
Analysis of secondary physical education curricula through guided observations and controlled teaching experiences. Applies curricular concepts through guided observation, self-appraisal, lesson/unit planning, and teaching secondary school students.

**PETE 4400**  
Assessment in Physical Education  
3:2:2 Su, F, Sp

• Prerequisite(s): MATH 1050, PETE 2300, PETE 4210  
Examines traditional, alternative, authentic, and performance assessments as they relate to physical education. Encourages use of a variety of authentic assessment techniques. Creates appropriate methods for displaying and disseminating assessment results. Focuses on the use of both formative and summative assessment to enhance student learning. Exposes pre-service physical educators to both quantitative and qualitative research.

**PETE 481R**  
Physical Education Teacher Education Internship  
1 to 4:0:5 to 20 Su, F, Sp

• Prerequisite(s): PES 1097, PES 3500, PES 3550, PETE 2300, and PETE 3100  
Encourages students to apply learning in a professional setting. Allows students practical experience working at a physical education teaching or coaching related job. May be repeated for a maximum of eight credits toward graduation.

**PETE 489R**  
Undergraduate Research in Physical Education Teacher Education  
1 to 4: 0:5 to 20

• Prerequisite(s): PETE 3100 and department approval of research proposal  
Provides students the opportunity to conduct research under the mentorship of a faculty member. Students will put in practice the theoretical knowledge gained in prior major courses. Students will create a significant intellectual or creative product that is appropriate for Physical Education Pedagogy and worthy of communication to a broader audience. May be repeated for a maximum of 8 credits toward graduation.

**PETE 4900**  
Student Teaching Seminar for Physical Education  
2:2:0 Su, F, Sp

• Prerequisite(s): Admission to Professional Education Program. Successful completion of all professional education and content courses.  
• Corequisite(s): EDSC 4850  
Examines each student's teaching experiences. Encourages students to integrate learning from each all professional education and content courses. Discusses concerns related to current teaching experiences as well as future experiences. Investigates job seeking criteria and opportunities. Supports pre-service teachers during their student teaching experience.

### PHIL—PHILOSOPHY

**PHIL 1000\*\***  
Introduction to Philosophy  
3:3:0 Su, F, Sp

Designed to investigate major philosophical ideas from the Pre-Socratic era to the present. Students should develop philosophical skills through supervised analysis of readings in epistemology (knowledge), metaphysics (reality), ethics (values), and social philosophy. Emphasizes the articulation,

assessment, and discussion of fundamental religious, social, political issues through class discussions, lectures, media, and writing projects.

**PHIL 100H**  
Introduction to Philosophy  
3:3:0 Su, F, Sp

• Prerequisite(s): ENGL 1010  
Designed to investigate major philosophical ideas from the Pre-Socratic era to the present. Students should develop philosophical skills through supervised analysis of readings in epistemology (knowledge), metaphysics (reality), ethics (values), and social philosophy. Emphasizes the articulation, assessment, and discussion of fundamental religious, social, political issues through class discussions, lectures, media, and writing projects.

**PHIL 120R**  
Philosophy Forum  
1:1:0 F, Sp

Introduces students to the interchange of traditional and contemporary philosophical issues in various venues. Provides enriched learning situations in which students may interact with noted guest scholars. Includes lectures, symposia, field trips, outreach projects, and activities oriented to engage students in philosophical discourse. Meets in conjunction with the Philosophy Club. Grading is on a credit/no credit basis. May be repeated for a total of four credits toward the AA/AS, BA/BS degree.

**PHIL 1250**  
Logical Thinking and Philosophical Writing  
3:3:0 F

Introduces fundamental elements of logical thinking and applies these to philosophical writing. Practices written applications of subjects and concepts such as (but not limited to) definition, argument, fallacy, deduction, validity, soundness, categorical syllogism, induction, causal argumentation, hypothesis, confirmation, and probability.

**PHIL 130R**  
Ethics Forum  
1:0:3 Su, F, Sp

Introduces students to a wide variety of public policy and ethical issues. Provides enriched learning situations in which students are exposed to noted guest scholars and other lecturers. Includes attendance and participation at specified events by engaging in discussion of relevant issues. May be repeated for a maximum of 3 credits toward graduation.

**PHIL 1610**  
Introduction to Western Religions  
3:3:0 F, Sp

For students majoring in humanities related disciplines and other students interested in the academic study of religion. Presents the comparative study of the history, ritual, "theology," and ethical beliefs of the major western religions including Judaism, Christianity, Islam, Zoroastrianism, Baha'i, and nontraditional religious belief in the western world. Explores similarities and differences between them by examining the primary sources and sacred texts along with the unique beliefs and practices of each tradition.

**PHIL 1620** HH  
**Introduction to Eastern Religions**  
 3:3:0 F, Sp

For students majoring in humanities-related disciplines and other students interested in the academic study of religion. Presents the comparative study of the history, ritual, "theology," and ethical beliefs of the major eastern religious traditions including Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, and Shintoism. Explores similarities and differences between them by examining the primary sources and sacred texts along with the unique beliefs and practices of each tradition.

**PHIL 2050\*\*** IH  
**Ethics and Values†**  
 3:3:0 Su, F, Sp

• Prerequisite(s): ENGL 1010  
 Challenges students to (1) explore and clarify their values; (2) critically read works of philosophy, literature, religion, and history toward understanding the basis of their ethical views; and (3) read, study, research, discuss, and write about difficult ethical issues. Focuses on issues of good vs. evil, justice vs. injustice, equality vs. inequality, and the necessity of defining and examining happiness and values. Engages students in serious reflection on issues of ethics and values as they relate to the students' own lives.

**PHIL 205G**  
**Ethics and Values**  
 3:3:0

• Prerequisite(s): ENGL 1010  
 Challenges students to (1) develop knowledge and recognition of complexities inherent in global and intercultural issues, focusing on their ethical and normative dimensions with an emphasis on issues of ethics and values, (2) develop the ability to interrelate knowledgeably, reflectively, responsibly, and respectfully with a society of increasing intercultural connections, (3) critically read works of philosophy, literature, religion, and history toward understanding the basis of their ethical views; and (4) read, study, research, discuss, and write about difficult ethical issues. Focuses on global and intercultural issues with an emphasis on their ethical and normative dimensions. Engages students in serious reflection on issues of ethics and values as they relate to the students' own lives as knowledgeable, thoughtful, reflective, responsible, and respectful citizens within a society of increasing intercultural connections.

**PHIL 205H** IH  
**Ethics and Values**  
 3:3:0 F, Sp

• Prerequisite(s): ENGL 1010  
 Systematically explores the core issues in the realm of ethics and values, especially as they relate to life in the contemporary world. Focuses on good versus evil, justice versus injustice, and the necessity of ideals and equality. Emphasizes reading and writing skills at a more challenging level.

**PHIL 2110** HH  
**Ancient Greek Philosophy**  
 3:3:0 F

• Prerequisite(s): ENGL 1010 or ENGL 101H or PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or permission of the instructor  
 Provides students with an overview of the history and evolution of philosophical thought from its

origins in pre-Socratic philosophers through Aristotle. Reviews the influence of pre-Socratic ideas upon the work of Plato and Aristotle and the impact of Greek philosophy on the evolution of Western philosophy, science, and culture. Requires writing-intensive assignments.

**PHIL 2130** HH  
**Medieval Philosophy**  
 3:3:0 Sp

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or permission of the instructor  
 Provides an overview of the development of philosophical thought from the Hellenistic period through Thomas Aquinas. Covers the influence of Ancient Greek philosophy and the impact of Christianity upon the evolution of Western philosophical thought. Carefully considers the conceptions of God, nature, the human being, and morality advanced during this period; along with the profound impact Medieval philosophy had on the European Enlightenment and modern philosophy.

**PHIL 2150** HH  
**Early Modern Philosophy**  
 3:3:0 Sp

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or permission of the instructor  
 Provides an overview of the history and evolution of ideas in Western culture during the modern period of philosophy from Descartes through Kant. Focuses on the dialogue between rationalism and empiricism, and examines Kant's attempt to bridge the gap between these two approaches.

**PHIL 281R**  
**Internship**  
 1 to 6:0:5 to 3:0

• Prerequisite(s): By permission from departmental chair  
 Allows philosophy students to receive credit for service as an intern in a governmental, not for profit, or private agency apart from their regular employment. Provides practical and research development in selected areas of service related to students' academic and/or professional interests or goals. Internship must be supervised by agency representative. Must be approved by philosophy internship advisor and department chair and written contracts must be completed and signed. Repeatable for a maximum of six credit hours toward graduation.

**PHIL 290R** GH  
**Independent Study**  
 1 to 3:0 to 3:0 to 12 Su, F, Sp

Provides independent study as directed in reading and individual projects. Request must be submitted for approval by the department. Students may do independent study for one, two or three credits with a limit of three credits applying toward graduation with an AA/AS degree.

**PHIL 295R** GH  
**Directed Readings**  
 1 to 3:0 to 3:0 to 12 Su, F, Sp

Provides an opportunity for second year students to do in-depth research within the discipline of Philosophy. Study is limited to advanced work beyond that which can be completed in existing, available classes. A proposal must be submitted and approved by the department prior to enrollment.

**PHIL 3000**  
**Formal Deductive Logic**  
 3:3:0 Sp

• Prerequisite(s): ENGL 1010 or PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Covers the main systems of deductive (symbolic or formal) logic: Sentential and Syllogistic. Uses these systems to evaluate arguments, in natural (i.e. English) language. Includes symbolizations, truth-table analysis, truth-tree analysis, Venn diagrams, and proofs.

**PHIL 3150**  
**Philosophical Issues in Feminism**  
 3:3:0 F

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Introduces students to various themes in feminist philosophy. Focuses on the concepts of sex and gender, including such issues as the nature, explanatory import and normative implications of biological sex differences, the sex/gender distinction, the idea of gender as a social construct, the structure and impact of gender oppression and the nature and value of the norms of femininity and masculinity.

**PHIL 3160**  
**Gender Values Knowledge and Reality**  
 3:3:0 Su, F, Sp

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Examines the impact of gender on specific areas of philosophy including, but not limited to, aesthetics, ethics, social and political philosophy, epistemology, metaphysics, philosophy of religion, philosophy of science, philosophy of language and the history of philosophy. Examines the meaning of gender with an emphasis on the diversity of experience across varying gender roles.

**PHIL 3200**  
**Metaphysics**  
 3:3:0 F

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Acquaints the student with competing abstract philosophical problems concerning the general nature and structure of reality. Examines the history of and problems of metaphysics including, but not limited to: personal identity, causation, causal determinism, the nature of universals, anti-realism, realism, change, substance and essence, space and time, and philosophy of mind.

**PHIL 3300**  
**Epistemology**  
 3:3:0 Not 09-10

• Prerequisite(s): PHIL 1000 or PHIL 2050 or PHIL 2110 or PHIL 2150 or permission of instructor  
 Explores diverse theories of knowledge from within the Western tradition. Includes concepts of truth and falsity, skepticism, justification, identity, and intentionality. Discusses empiricism, rationalism and twentieth-century Philosophy of Mind.

# Course Descriptions

**PHIL 3400** HH  
**Philosophy of Science** Sp  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Explores fundamental issues in the philosophy of science. Includes the structure of the scientific method, scientific explanation, and the epistemological status of scientific laws and theories.

**PHIL 3450** Sp  
**Philosophy of Childhood**  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor

Examines philosophical theories and models of childhood, their implication on contemporary conceptions, controversial social, philosophical, legal, educational, and political issues pertaining to childhood, and the capacity of children to engage in philosophical dialogue.

**PHIL 3470** F  
**Pragmatism and American Philosophy**  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor

Introduces students to various philosophical themes and figures unique to classical American Philosophy and American Pragmatism. Focuses on assorted thematic topics characteristic of American Pragmatism, as well as the work of the American transcendental school and various philosophical writings from American women, such as Jane Addams, and African-American philosophers, such as Alain Locke.

**PHIL 3510** F  
**Business and Professional Ethics**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H  
 Develops concepts and philosophies essential to understanding ethical concerns in today's business and professions. Presents current case studies and theories about business ethics and helps students determine their own attitudes about contemporary and historical business morality. Examines a variety of approaches, solutions, and methods of critically thinking about ethics in business and professions.

**PHIL 3520** F  
**Bioethics**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H or permission of instructor  
 Shows how ethical theories can help provide frameworks for moral judgment and decision-making in the wake of recent scientific, technological, and social developments which have resulted in rapid changes in the biological sciences and in health care. Topics include: codes of ethics, ethical theories, and practical applications, such as: professional-patient relationships, genetic engineering, euthanasia, managed health care, end-of-life issues, abortion, and reproductive technologies.

**PHIL 3530** HH  
**Environmental Ethics** Sp  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H  
 Presents a comprehensive, balanced introduction to the field of environmental ethics. Examines a variety of national and international environmental issues. Challenges students to think and write critically about classic and contemporary works on ethics and the environment. Analyzes ethical, scientific, aesthetic, political, economical and religious perspectives pertaining to the environment.

**PHIL 3540** (Cross-listed with: RLST 3540) Sp  
**Christian Ethics**  
 3:3:0

• Prerequisite(s): PHIL 1610  
 Examines key developments and conceptions in Christian ethics through historical and conceptual methodologies. Explores the relationship between religious and secular approaches to ethics in their approach to questions of war, economics, politics, and/or other relevant issues.

**PHIL 3600** F  
**Philosophy of Religion**  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor

For students majoring in humanities related disciplines and other students interested in the academic study of religion. Teaches critical thinking methods and strategies regarding traditional philosophical issues in religious belief and practice. Explores various topics including the traditional arguments for the existence of God, religious experience, the relation between faith and reason, religious pluralism, and the traditional problem of evil.

**PHIL 3610** (Cross-listed with: RLST 3610) Not 09-10  
**Introduction to Christian Theology**  
 3:3:0

• Prerequisite(s): PHIL 1610  
 Examines key developments and conceptions in Christian theology through historical and conceptual methodologies.

**PHIL 3620** (Cross-listed with: RLST 3620)  
**Mormon Theology and the Christian Tradition**  
 3:3:0

• Prerequisite(s): PHIL 1610  
 For students majoring in humanities-related disciplines and other students interested in the academic study of religion. Engages students in exploring the defining features of Mormon thought in relation to the broader Christian tradition. Examines traditional theological questions such as the problem of evil, the scriptural canon, the nature of God and humanity, and the role of ritual.

**PHIL 3650** (Cross-listed with: RLST 3650) Sp  
**Approaches to Religious Studies**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H or permission of instructor  
 For students majoring in humanities-related disciplines and other students interested in the academic study of religion. Teaches methodological approaches and critical thinking strategies in the study of religion. Explores various disciplines in their

approaches to religious belief and practice. Includes the study of such thinkers as David Hume, Immanuel Kant, Friedrich Schleiermacher, Rudolf Otto, William James, Ludwig Feuerbach, Soren Kierkegaard, Max Weber, Emile Durkheim, John Hick, and Rene Girard.

**PHIL 366R** (Cross-listed with: RLST 366R) F  
**Issues in Religious Studies**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H or permission of instructor  
 For students majoring in humanities-related disciplines and other students interested in the academic study of religion. Addresses specific topics and theoretical approaches related to religious studies. Topics may include religion and violence, religion and public discourse, religious ritual, etc. Subject matter varies by semester and is repeatable for a total of nine hours of credit.

**PHIL 3700** Sp  
**Social and Political Philosophy**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H  
 Addresses ethics on the social level by exploring a variety of answers to the question: What is the best social structure? Covers concepts of justice, equality, liberalism, communitarianism, capitalism, democracy, feminism, multi-culturalism, and other topics.

**PHIL 3750** F  
**Marxist Philosophy**  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Examines the political philosophy of Karl Marx and looks at Marx's legacy for 20th century and contemporary philosophy. Topics may include: Marx's criticism of Hegel and Hegelian Idealism, Marx's philosophy as "ideology critique," Marx's "materialist" philosophy, Marx's critique of capital, and several of the following: early 20th century Marxist political philosophy, Critical Theory, structuralist Marxism, phenomenological Marxism, materialist feminism, and post-Marxism.

**PHIL 3800** (Cross-listed with: HUM 3800) F  
**Introduction to Aesthetics**  
 3:3:0

• Prerequisite(s): PHIL 2050 or PHIL 205H and HUM 1010  
 Studies aesthetics as perceived by the disciplines of philosophy, psychology, sociology, anthropology, history, and others. Analyzes art forms, including the visual arts, literature, music, and theater from the perspective of philosophers such as Plato, Aristotle, Kant, Hume, Dewey, Danto, Bell, Collingwood, Thoreau, and Dickie.

**PHIL 3810** Sp  
**Existentialism and Phenomenology**  
 3:3:0

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Explores two of the most important and influential traditions within modern and contemporary philosophy. Covers figures such as Kierkegaard, Nietzsche, Husserl, Heidegger, Sartre, Camus, Merleau-Ponty, de Beauvoir, Gadamer, Levinas,

Ricoeur, and Derrida, and issues in epistemology, metaphysics, ethics and aesthetics. The course focuses in particular on the notions of subjectivity, agency, free-will, and truth.

**PHIL 3820**  
**Philosophy through Literature**  
 3:3:0 Su, F, Sp

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Provides students with an interdisciplinary approach to the study of philosophy through literature. Gives students the opportunity to read some of the most engaging thinkers and how they offer differing perspectives through a variety of texts. Breaks down some of the strict divisions placed on great thinkers and writers by blurring the line between strict "philosophy" and "great art." Encourages students to engage texts by learning to read them on different levels. Develops critical reading, writing, and discussion skills. Teaches students to think independently and creatively about the intersections of philosophy and literature. Emphasizes core thematics and skills in philosophy.

**PHIL 386R**  
**Topics in Ancient Philosophy**  
 3:3:0 Sp

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Provides students the opportunity to study aspects of ancient Greek philosophy intensively. Focuses on an aspect of the thought of a particular philosopher, such as Plato or Aristotle, or on a particular theme in Ancient philosophy, such as Ethics or Metaphysics. Emphasizes close study of primary texts. Develops strong critical thinking, writing and rhetorical skills. May be repeated up to 3 times for a total of 9 credits.

**PHIL 400R**  
**Great Philosophers**  
 3:3:0 Su

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Provides an in-depth look at a great figure in Philosophy across the topics of metaphysics, epistemology, ethics, social and political philosophy, aesthetics, and other themes. Addresses the contribution of the thinker to the history of Philosophy. Repeatable up to 12 credit hours with different topics.

**PHIL 4120**  
**Philosophy of Education**  
 3:3:0 Su

• Prerequisite(s): ENGL 1010 or PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Examines history, issues, and philosophical theories of education with attention to associated metaphysical, epistemological, ethical, political, and ideological assumptions.

**PHIL 4130**  
**Nineteenth Century European Philosophy**  
 3:3:0 F

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Introduces students to the changes in 19th century

European philosophy regarding the nature of truth, knowledge, human freedom, and nature. Focuses on the attempts of German Idealism to formulate a systematic science of reality. Discusses the possibilities and problems with conceiving truth as both complete and absolutely knowable. Analyzes the philosophies of nature, art, human freedom, society, and ethics.

**PHIL 4140**  
**History of Analytic Philosophy**  
 3:3:0 F

• Prerequisite(s): PHIL 2150 or permission of instructor  
 Explores the history of Analytic Philosophy from the late 19th century to the present. Includes the study of such figures as Bertrand Russell, B. Bolzano, Gottlob Frege, Ludwig Wittgenstein, Rudolph Carnap, G.E. Moore, J.L. Austin, Gilbert Ryle, W.V.O. Quine, and Fredrich Waismann. Studies methods of movements such as Logical Empiricism, and Ordinary Language Philosophy. Explores views such as Logicism, Logical Atomism, Holism, Verificationism, Logical Behaviorism, Psychologism, Nominalism, and Realism.

**PHIL 4150**  
**History of Continental Philosophy**  
 3:3:0 Not 09-10

• Prerequisite(s): PHIL 2150 or permission of instructor  
 Explores continental European philosophy. Reviews Kant's "critical" philosophy. Examines Hegel's attempt to go beyond the limitations of critical philosophy by creating a systematic, dialectical philosophy. Examines the following traditions as responses to Hegel: Western Marxism, Existentialism, Phenomenology, Structuralism, Post-Structuralism and "Deconstruction," Post-Modernism, Psychoanalysis, and Feminism.

**PHIL 4200**  
**Symbolic Logic**  
 3:3:0 Not 09-10

• Prerequisite(s): PHIL 3000  
 Discusses the philosophical motivation for the formalization of logic. Introduces the metatheory for propositional and quantificational logic. Includes proofs of the soundness and completeness of quantificational logic. Discusses the philosophical issues surrounding the results proved. May also include some discussion of important results in computability.

**PHIL 4470**  
**Philosophy of Mind**  
 3:3:0 Not 09-10

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Explores central questions concerning the nature of the mind. Includes such topics as personal identity, the mind-body problem, other minds, mental causation, and externalism.

**PHIL 4480**  
**Philosophy of Language**  
 3:3:0 Not 09-10

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor  
 Explores the central issues in the philosophy of language. Includes the study of such issues as truth,

meaning, reference and descriptions, names and demonstratives, speech acts, metaphor and private language. Includes the study of such philosophers as W.V.O. Quine, A Tarski, D. Davidson, J. Searle, J. Derrida, C. Levi-Strauss, F. Saussure, L. Wittgenstein, K. Donnellan, S. Kripke, D. Kaplan, H.P. Grice, B. Russell, and P.F. Strawson.

**PHIL 450R**  
**Interdisciplinary Senior Ethics Seminar**  
 3:3:0 F, Sp

• Prerequisite(s): Instructor consent  
 For integrated studies majors and other interested students. Addresses ethical issues dealing with discipline specific subject matter, i.e., nursing, behavioral, physical, social sciences, etc. Subject matter will vary each semester. Taught by Philosophy faculty in cooperation with faculty of appropriate departments. Repeatable three times for credit with different subjects. See Philosophy Department office for specific topics.

**PHIL 451R**  
**Ethical Theory Seminar**  
 3:3:0 F

• Prerequisite(s): PHIL 2050 or PHIL 205H or permission of instructor  
 Offers detailed investigation of selected ethical theories central to the Western philosophical tradition. Repeatable up to 12 credit hours with different topics.

**PHIL 481R**  
**Internship**  
 1 to 6:0:5 to 30

• Prerequisite(s): By permission from departmental chair  
 Allows philosophy students to receive credit for service as an intern in a governmental, not for profit, or private agency apart from their regular employment. Provides practical and research development in selected areas of service related to students' academic and/or professional interests or goals. Internship must be supervised by agency representative. Must be approved by philosophy internship advisor and department chair and written contracts must be completed and signed. Repeatable for a maximum of six credit hours toward graduation.

**PHIL 490R**  
**Independent Study**  
 1 to 3:0 to 3:0 to 12 Su, F, Sp

• Prerequisite(s): Departmental Approval  
 Provides independent study as directed in reading and individual projects. May be repeated for up to 6 total credits toward graduation.

**PHIL 4910**  
**Philosophy Research Capstone**  
 3:3:0 F, Sp

• Prerequisite(s): PHIL 1250 or PHIL 2110 or PHIL 2150, Senior standing  
 To be taken during the student's last semester in the baccalaureate program. Includes writing a senior thesis, which points to post-baccalaureate career path or graduate school goals. Covers advanced Philosophy research and writing instruction. Encourages students to explore the ethical dimensions of their desired professional or graduate research interests. Involves the creation of a portfolio helpful in applying to graduate school or seeking employment. The portfolio includes the

## Course Descriptions

enior research thesis, an abstract of the thesis, three letters of recommendation, a Curriculum Vita, a Personal Statement, and a PowerPoint presentation.

### PHIL 492R

#### Advanced Topics in Philosophy

1 to 3:1 to 3:0

F

• Prerequisite(s): PHIL 1000 or PHIL 100H or PHIL 2050 or PHIL 205H or PHIL 2110 or PHIL 2150 or permission of instructor

Examines advanced topics philosophy. Examples include ancient theories of political constitution, continental rationalism, empiricism, personal identity, free will, theories of truth and modal logic. May be repeated for a maximum of 9 credits toward graduation.

## PHSC—PHYSICAL SCIENCE

### PHSC 1000

#### Survey of Physical Science

3:3:0

Su, F, Sp

PP

Surveys the exciting world of science and explains the basic scientific laws and models by which the physical universe may be understood. Stresses historical aspects and the impact of physical science on modern society. Draws topics from the fields of physics, chemistry, geology, meteorology and astronomy. Uses lectures, dramatizations, audio-visual presentations, and demonstrations.

### PHSC 281R

#### Cooperative Work Experience

2 to 9:1:5 to 4:0

Su, F, Sp

• Prerequisite(s): Approval of Cooperative Coordinator

Designed for Physical Science majors. Provides paid work experiences in the student's major. Course content is individualized, with students setting objectives in consultation with their faculty coordinator and their on-the-job supervisor. Credit is determined by the number of hours a student works during the semester.

## PHYS—PHYSICS

### PHYS 1010

#### Elementary Physics

3:3:0

Su, F, Sp

PP

• Prerequisite(s): MAT 1010

For students interested in a one-semester survey physics course and students in Allied health programs. Covers the fundamentals of classical and modern physics. Includes mechanics, fluids, heat, waves and sound, electricity and magnetism, light, optical, relativity, atomic and nuclear physics. Includes lectures, classroom interaction, demonstration, and problem solving.

### PHYS 1040 (Cross-listed with: ASTR 1040)

#### Elementary Astronomy

3:3:0

Su, F, Sp

PP

An introduction to astronomy and cosmology. Explores interesting concepts such as the big bang and black holes. Includes observational exercises including the use of binoculars and telescopes.

### PHYS 1050

#### Investigations of the Solar System

3:3:0

On Sufficient Demand

• Prerequisite(s): MATH 1030 or any higher mathematics

Offers a descriptive and conceptual survey of the solar system. Describes the probable origin and evolution of the sun and planets, and the workings of the sun. Covers light, optics and spectroscopy, and the mechanics of orbital motion. Compares planets by their origins, structures and atmospheres. While the presentation is primarily qualitative, assumes rudimentary math skills on the part of the student to facilitate comparative studies of solar system objects.

### PHYS 1060

#### Investigations of Stars and Galaxies

3:3:0

On Sufficient Demand

• Prerequisite(s): MATH 1030 or any higher mathematics

Describes the origins and evolutions of stars, and collections of stars, galaxies and clusters of galaxies. Includes introduction to cosmology. Teaches the law of gravity and those laws of physics connected with optics and spectroscopy. Emphasizes conceptual learning, and assumes rudimentary mathematical skills on the part of students to facilitate comparative studies.

### PHYS 1070\*\*

#### Cultural Astronomy in Our Lives

3:3:0

PP

F, Sp

For those interested in learning about the astronomical realm around us and those having a special interest in anthropology. Explores the visible sky as seen with the naked eye. Presents examples of cultural interpretations of the sun, moon, planets and stars, methods of keeping calendars, and changes that occur through the seasons. Studies the motions of the planets, including the earth, and changes in the sky from different latitudes. Investigates how astronomy has impacted the lives of people throughout the ages and around the world. Includes extensive use of the UVU planetarium, nighttime observation, illustrated lectures, and class demonstrations.

### PHYS 1075

#### Honors Cultural Astronomy in Our Lives Laboratory

1:0:3

On Sufficient Demand

• Prerequisite(s): Instructor permission required

• Corequisite(s): PHYS 107H

Studies ancient southwestern native astronomy in correlation with modern astronomy. Includes a four day trip to Hovenweep, Chaco Canyon, and Mesa Verde Anasazi sites.

### PHYS 107H

#### Cultural Astronomy in Our Lives

3:3:0

On Sufficient Demand

• Corequisite(s): PHYS 1075

For those interested in learning about the astronomical realm around us and those having a special interest in anthropology. Explores the visible sky as seen with the naked eye. Presents examples of cultural interpretations of the sun, moon, planets and stars, methods of keeping calendars, and changes that occur through the seasons. Studies the motions of the planets, including the earth, and changes in the sky from different latitudes. Investigates how astron-

omy has impacted the lives of people throughout the ages and around the world. Includes extensive use of the UVU planetarium, nighttime observation, illustrated lectures, and class discussion.

### PHYS 1080

#### Life in the Universe

3:3:0

PP

Presents a general introduction to the scientific method of understanding life, its origins, and its place in the universe. Discusses the philosophy governing the scientific view of learning about life. Treats in detail what life is, the adaptability of life and how it evolves, why Earthlike conditions resulted in life as we know it, what other environmental conditions might sustain life, and where life may be found beyond Earth.

### PHYS 1700

#### Descriptive Acoustics

3:3:0

F

• Prerequisite(s): MAT 1010

Introduces the science of sound, music and speech and the physical principles and technology used to manipulate, store and broadcast it.

### PHYS 1800

#### Energy You and the Environment

3:3:0

Answers the question, "Where does energy come from, and where does it go?". Examines the methods of energy production, distribution, and consumption in society and their environmental impacts. Examines the personal impact of energy use on the environment and explores alternatives, such as fuel cell cars, and a hydrogen economy. Examines prospects for alternative energy sources, such as solar, wind, nuclear and geothermal energy at length. Intended for non-science majors interested in energy use in society.

### PHYS 2010

#### College Physics I

4:4:0

Su, F, Sp

PP

• Prerequisite(s): MAT 1010

• Corequisite(s): PHYS 2015

For students desiring a two semester algebra-based course in applied physics. Covers mechanics, fluids, heat, and thermodynamics.

### PHYS 2015

#### College Physics I Lab

1:0:2

Su, F, Sp

Designed to accompany PHYS 2010. Provides firsthand experience with the laws of mechanics, fluids, heat, thermodynamics, and data analysis.

### PHYS 2020

#### College Physics II

4:4:0

Su, F, Sp

PP

• Prerequisite(s): PHYS 2010

• Corequisite(s): PHYS 2025

A continuation of PHYS 2010. Covers electricity, magnetism, waves, sound, optics, and nuclear physics.

### PHYS 2025

#### College Physics II Lab

1:0:2

Su, F, Sp

Designed to accompany PHYS 2020. Provides firsthand experience with the laws of electricity, waves, optics, nuclear physics, and data analysis.