

WRITING EMPHASIS REQUIREMENT

Courses

ACC

ACC 410. Directed Studies in Accounting. 1-3 Credits.

Special research projects, reports, and readings in accounting.

Pre / Co requisites: ACC 410 requires prerequisite: ACC 201 and ACC 202 and minimum cum GPA of 2.50.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Repeatable for Credit.

ANT

ANT 312. Medical Anthropology. 3 Credits.

This course provides an overview of the field of medical anthropology, including theory, general methodology and concepts. The approach of the course is biocultural, focusing on the evolutionary and ecological bases of disease and health as well as how culture affects the definition and treatment of illness -- highlighting the interplay between biology and culture in human health and disease.

Pre / Co requisites: ANT 312 requires a prerequisite of ANT 102.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ANT 364. Archaeology of Ancient North America. 3 Credits.

A survey of North American prehistory from the earliest inhabitants to the time of European colonization. Covers all culture areas but with an emphasis on the Eastern woodlands.

Pre / Co requisites: ANT 364 requires prerequisite of ANT 103.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

ANT 367. Archaeology and the Environment. 3 Credits.

In this course students will learn about how archaeologists study the relationships between human culture and the natural world, and how archaeology can be applied to some of today's environmental concerns. Grounded in archaeological research, the course covers topics such as past human impacts on the environment, environmental impacts on the archaeological record, spatial modeling and remote sensing in archaeology, and human ecology, including the role of cultural memory in current conservation practices.

Pre / Co requisites: ANT 367 requires a prerequisite of ANT 103.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ARH

ARH 210. Non-Western Art. 3 Credits.

Introduction to art produced outside the European tradition. Cultures include Africa, India, Asia, the Pacific Islands, and the Americas.

Gen Ed Attribute for Students Admitted Prior to Fall 2020: Arts Distributive Requirement, Writing Emphasis.

Gen Ed Attribute for Students Admitted Fall 2020 and After: Writing Emphasis.

Typically offered in Fall & Spring.

ARH 211. Art of Egypt. 3 Credits.

The art and architecture of Ancient Egypt, Mesopotamia, Assyria, and Babylonia from 3000-500 B.C.

Gen Ed Attribute for Students Admitted Prior to Fall 2020: Arts Distributive Requirement, Writing Emphasis.

Gen Ed Attribute for Students Admitted Fall 2020 and After: Writing Emphasis.

Typically offered in Fall & Spring.

ARH 383. Art of the Middle Ages. 3 Credits.

The art and architecture of the European medieval world and their development from Early Christian and Romanesque art into the full flowering of the Gothic period.

Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Writing Emphasis.

Typically offered in Fall & Spring.

ARH 386. Modern Art Seminar. 3 Credits.

Analysis of major styles of 20th-century art to mid-century, including Picasso.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

ARH 389. Art of Spain. 3 Credits.

Introduction to the art and architecture of Spain and her colonies from the caves of Altamira to the contemporary period. Focus on specific artists including Velazquez, Goya, Miro, Gaudi, Picasso, and Dali.

Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster, Writing Emphasis.

Typically offered in Fall & Spring.

BIO

BIO 211. Cell Biology. 4 Credits.

LEC (2), LAB (3)

An introduction to cellular and molecular biology with emphasis on cell morphology, biochemistry, and cell physiology.

Pre / Co requisites: BIO 211 requires a prerequisite of BIO 110 and a corequisite of CHE 231.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

BIO 440. Human Genetics. 3 Credits.

A detailed survey of the principles of human heredity. Examines the impact of genetics on current issues in human medicine, pharmacology, evolution, and sociology, and evaluates ethical issues surrounding these topics.

Pre / Co requisites: BIO 440 requires a prerequisite of BIO 210.

Gen Ed Attribute: Ethics Requirement, Writing Emphasis.

Typically offered in Spring.

BIO 491. Capstone: Independent Research in Biology. 3 Credits.

Independent study and research for advanced undergraduate biology majors, on a topic approved by a supervising biology faculty member.

Pre / Co requisites: BIO 491 requires a prerequisite of 18 credits of BIO and 90 credits of coursework and an overall GPA of 2.50 and a BIO GPA of 2.50.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

BIO 492. Capstone: Professional Development in Biology. 3 Credits.

A one-semester, work-study appointment with a commercial, industrial, or governmental agency. Students will be supervised jointly by a professional scientist and a Department of Biology faculty member.

Pre / Co requisites: BIO 492 requires a prerequisite of 18 credits of BIO and 90 credits of coursework and an overall GPA of 2.50 and a BIO GPA of 2.50.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

BME

BME 365. Biomechanics for Engineers. 3 Credits.

In this course, students acquire the basic tools used to analyze the human body as a mechanical system with examples from the tissue level to the whole-body level. Relevant concepts introduced in previous mechanics courses (e.g., BME 230) will be advanced and applied in BME-specific contexts. Topics include the following: joint kinematics and kinetics; linked segment modeling; tissue stresses and strains; and biomechanics related to injury/disease as well as treatments. Emphasis will be placed on how to effectively find, read, interpret, and synthesize the information presented in scholarly research articles to write a literature review and propose a research study.

Pre / Co requisites: BME 365 requires prerequisites of BIO 265 and BME 230.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Spring & Summer.

CHE**CHE 361. Forensic Chemistry I. 3 Credits.**

This course is a precursor to CHE 371. It is a survey of forensic science course designed to expose students to the full breadth of forensic science disciplines in a full-service crime laboratory. Students will also discuss professional practices and ethical expectations of a forensic scientist. The course content is designed for chemistry majors with special emphasis on developing foundational scientific writing skills needed for upper level courses.

Pre / Co requisites: CHE 361 requires prerequisites of CHE 104 and BIO 110.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

CLS**CLS 165. Introduction to World Literature. 3 Credits.**

This course is designed to introduce students to literature representative of both Western and non-Western cultures and can be taken as an alternative to LIT 165. Not open to English majors.

Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.

The study of Greeks and Roman mythology and its influence on 20th and 21st century Western culture.

Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster, Interdisciplinary Requirement, Writing Emphasis.

CLS 260. World Literature I. 3 Credits.

A survey of world literary texts from pre-classical times to 1600.

Gen Ed Attribute for Students Admitted Prior to Fall 2020: Diversity Requirement, Humanities Distributive Requirement, Writing Emphasis.

Gen Ed Attribute for Students Admitted Fall 2020 and After: Diversity Requirement, Writing Emphasis.

CLS 261. World Literature II. 3 Credits.

A survey of world literary texts from 1600 to the present.

Gen Ed Attribute for Students Admitted Prior to Fall 2020: Humanities Distributive Requirement, Writing Emphasis.

Gen Ed Attribute for Students Admitted Fall 2020 and After: Writing Emphasis.

CLS 270. Life, Death, and Disease. 3 Credits.

A course treating the study of literary works, film, and selected readings from other areas (history, science, fiction, and nonfiction) to generate an understanding of the relationship of human values to medicine, illness, and issues of related importance to physicians.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Fall & Spring.

CLS 362. World Lit - Modern Fiction. 3 Credits.

This course seeks to develop and to extend an understanding of the basic elements of fiction. The student will be exposed to a range of fictional practices and diverse traditions of world fiction.

Gen Ed Attribute: Writing Emphasis.

CLS 367. Classical Greco Roman Mythology. 3 Credits.

A survey of Greek and Roman mythology from Homer to Ovid.

Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster, Writing Emphasis.

CLS 368. Greco Roman, Culture, Myth & Society. 3 Credits.

The study of the Trojan War myth cycle in Greek and Roman mythology through literature, history, and art from Homer through the Latin Middle Ages and the way this myth reflects the culture and society of the texts in question.

Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster, Interdisciplinary Requirement, Writing Emphasis.

CLS 369. Literature and Film. 3 Credits.

The interrelationship between selected works of world fiction and their film adaptations.

Gen Ed Attribute: Writing Emphasis.

CLS 371. Law and Disorder in Literature. 3 Credits.

A look at the presentational aspects of law, legal writing and oral argument, its constructions in narrative-law as literature and literature as law, and the relationship of law to anthropology, psychology, history, and sociology.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

COM**COM 344. Rhetorical Criticism. 3 Credits.**

This course explores a variety of approaches for analyzing and explaining messages and symbols. Topics include historical foundations for the study of rhetoric, contemporary critical methods, and public address.

Pre / Co requisites: COM 344 requires prerequisites of C or higher in COM 209 (or SPK 208 for internal and external transfer students), COM 211, and COM 213.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

COM 375. Language, Thought & Behavior. 3 Credits.

This course explores the relationship between language, thought, and behavior. Topics covered include meaning, naming, censorship, indirectness, framing, and power, as well as how language used in both public and private settings affects our thoughts and behaviors and how our thoughts and behaviors affect our use of language.

Pre / Co requisites: COM 375 requires prerequisites of C or higher in COM 209 (or SPK 208 for internal and external transfer students), COM 211, and COM 214.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

COM 385. Family Communication. 3 Credits.

This course explores the ways in which families are built, maintained, and destroyed by communication. Family communication is a complex phenomenon, so it is not surprising that approaches to studying the family have spanned disciplines including communication, psychology, child development, sociology, and anthropology. In this course, students will be exposed to a sampling of interdisciplinary research and theories on families, but the main emphasis of the course will be on contributions to the study of families from within the communication discipline. Topics covered include family communication theories, courtship and mate selection, parent-child relationships, sibling relationships, divorce, family violence and abuse, and extended family relationships.

Pre / Co requisites: COM 385 requires prerequisites of C or higher in COM 209 (or SPK 208 for internal and external transfer students), COM 211, and COM 214.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

COM 387. Friendship Communication. 3 Credits.

This course explores communication in friendship relationships. Topics covered include the communication of similarity and difference between friends in various contexts from childhood and adolescence to adulthood through the theoretical perspectives of dialectics, narrative, and dialogue.

Pre / Co requisites: COM 387 requires prerequisites of C or higher in COM 209 (or SPK 208 for internal and external transfer students), COM 211, and COM 214.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

CRJ**CRJ 306. Writing for the Criminal Justice Professional. 3 Credits.**

This course examines a variety of forms of writing in criminal justice education and the criminal justice profession. Students will receive instruction, guidance and practical experience in composing various types of written reports that might be required in the numerous occupations that fall within the discipline of criminal justice. Starting with a review of English grammar, students will learn to compose professional emails, cover letters, and resumes. They will progress to police reports, pre-sentence reports, forensic or scientific reporting and finally, research-based reports. Students will also receive instruction on essay and research report writing and the use of APA formatting. Emphasis will be on improving writing skills throughout the semester through extensive feedback from the instructor and opportunities to revise and resubmit written work.

Pre / Co requisites: CRJ 306 requires prerequisites of CRJ 110, CRJ 210, and any 200-level WRT course, all with grades of C or better.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

CRJ 316. Terrorism. 3 Credits.

This course introduces terrorism through an integrative perspective by drawing on multiple disciplines of criminal justice, political science, geography, and history. Students will explore various factors that facilitate and constrain political violence from criminological, historical, and geographical perspectives. This course will also help students understand the political and societal contexts of different domestic, regional, and international responses to terrorism. Criminology is focused on the breaking of the laws, neglecting the importance of the long history behind terrorism. History, on the other hand, is limited in exploring social-psychological factors behind terrorists' decisions. Political science focuses on conflicts between different political actors over limited resources but tends to overlook the limitations of geographical constraints. Geography illustrates spatial patterns of terrorism but is limited in providing political motivations among actors in different regions. Students will synthesize different disciplines to have a holistic picture of terrorism by working on various research projects.

Pre / Co requisites: CRJ 316 requires a prerequisite of a grade of C or higher in CRJ 110.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

CRJ 360. Race, Ethnicity and Criminal Justice. 3 Credits.

This course will explore the relationship between race and criminal justice, including the historical background of the role race has played in the system. The impact of race and ethnicity on discretion, sentencing, and disposition will be examined at the adult and juvenile levels. In addition, the causes and remedies of minority overrepresentation in the adult and juvenile criminal justice system will be explored.

Pre / Co requisites: CRJ 360 requires prerequisites of CRJ 110 and CRJ 210.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

CRJ 366. Forensic Mental Health. 3 Credits.

An interdisciplinary exploration of the intersection of the mental health and criminal justice systems in the United States. The primary theme is the deinstitutionalization movement which has resulted in the shifting of persons with mental illness from hospitals into correctional facilities. Important topics include school-to-prison pipeline (STPP), civil and outpatient commitment, police as first responders, training for law enforcement responding to crisis situations, and other efforts to decrease criminalization and stigmatization, such as Crisis Intervention Teams, Mental Health Courts, Assertive Community Treatment, and reentry strategies. Students are expected to engage in innovative policy solutions through a multi-disciplinary lens, which may include strategies based on developments in the fields of criminal justice, medicine and forensic psychiatry, counseling and psychology, social work, education, and public administration.

Pre / Co requisites: CRJ 366 requires a prerequisite of a grade of C or higher in CRJ 110.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring, and Winter.

CRW**CRW 201. Introduction to Creative Writing. 3 Credits.**

Introduction to the craft of writing poetry and fiction. Basic discussion of terms, strategies, and professional models in each genre. Practice in writing and critiquing each genre.

Gen Ed Attribute: Writing Emphasis.

CRW 202. Creative Writing I. 3 Credits.

Writing experience in the crafts of fiction, poetry, nonfiction, and drama.

Gen Ed Attribute: Writing Emphasis.

CRW 203. Narrative and Lyric Forms. 3 Credits.

The course provides instruction in narrative and/or lyrical forms in prose and poetry, depending on instructor, and includes analysis of structure. Students will gain writing experience in narrative and/or lyrical modes.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

CRW 301. Poetry Workshop I. 3 Credits.

The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.

Gen Ed Attribute: Writing Emphasis.

CRW 302. Poetry Workshop II. 3 Credits.

The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.

Pre / Co requisites: CRW 302 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303, CRW 304, CRW 305, or CRW 306.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

CRW 303. Short Story Workshop I. 3 Credits.

Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.

Gen Ed Attribute: Writing Emphasis.

CRW 304. Short Story Workshop II. 3 Credits.

Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.

Pre / Co requisites: CRW 304 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 302, CRW 303, CRW 305, or CRW 306.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

Repeatable for Credit.

CRW 305. Creative Nonfiction Workshop I. 3 Credits.

An exploration of the creative nonfiction genre, with a focus not only on writing and craft but also on analyzing the larger questions and contexts surrounding the genre (i.e. truth, authenticity, history and definitions of the genre, ethics of representation).

Gen Ed Attribute: Writing Emphasis.

Repeatable for Credit.

CRW 306. Creative Nonfiction Workshop II. 3 Credits.

A continued exploration of the history, theory and craft of the creative nonfiction genre, but with a focus on analyzing and writing various essay styles. Students will be encouraged to concentrate on one specific form (i.e. radio essay, flash nonfiction, hybrid or graphic forms, the lyric or braided essay, environmental writing, travel writing, memoir)

Pre / Co requisites: CRW 306 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303 or CRW 305.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

CSC**CSC 490. Independent Project in Computer Science. 3 Credits.**

The student designs and implements a software system. Project problems are drawn from local industry and university departments. A computer science faculty member supervises each project.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

Repeatable for Credit.

CSC 499. Independent Study in Computer Science. 3 Credits.

In conjunction with the instructor, the student selects study topics via literature search.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

Repeatable for Credit.

CSD**CSD 204. Speech and Language Development. 3 Credits.**

Examination of normal communication development: biological, cognitive, social, and ecological bases of language. Developmental milestones from prelinguistic communication to oral language and literacy. Normal variations in development associated with cultural diversity and bilingualism.

Pre / Co requisites: CSD 204 requires prerequisites of CSD 101 with a grade of "C" or better and ENG 230 or LIN 230.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

CSD 333. Language Disorders. 3 Credits.

Clinical management issues associated with developmental and acquired language disorders in children and adults. Linguistic patterns observed in the performance of individuals with various etiological conditions (e.g., intellectual developmental disorders, autism, hearing loss, neurological impairment, learning disability). Factors indicating risk for and maintenance of language disorders. Protocols for evaluation and treatment indicated by behavioral theories, developmental theories, processing models, and sensitivity to normal variations among linguistically and culturally diverse populations.

Pre / Co requisites: CSD 333 requires a prerequisite of CSD 204.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

CSD 350. Clinical Principles in Communicative Disorders. 3 Credits.

A study of evaluative and therapeutic materials and methods applicable to the professional setting.

Pre / Co requisites: CSD 350 requires prerequisites of CSD 329 and CSD 333.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring, Summer, Winter.

DAN**DAN 344. History of Dance. 3 Credits.**

The purpose of this course is to provide the student with a thorough background of dance as a fundamental form of human expression. Topics shall include the historical roots and recent status of theatrical dance forms, dance education, and recent trends. Evaluation of dance as an art form in relation to man and his society. Physiological, sociological, and psychological implications; dance forms and types. Film and other materials focus on parallel developments in related arts.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

DHM**DHM 280. Introduction to Digital Humanities. 3 Credits.**

This course is an introduction to new media, digital humanities, and computational approaches to the humanities, with a survey of theories, methodologies, and current critical practices.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Fall.

ECE**ECE 407. Diversity Perspectives in Early Childhood Education. 3 Credits.**

This seminar will address the rewards and challenges of teaching in America's diverse classrooms.

Pre / Co requisites: ECE 407 requires formal admission into teacher education or Early Childhood Minor.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

ECO**ECO 350. Urban Economics. 3 Credits.**

Economic aspects of such urban problems as poverty, housing, taxation, income distribution, and discrimination. Analysis of economic aspects of various proposed remedies, including urban renewal, family allowances, cooperatives, and others.

Pre / Co requisites: ECO 350 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

Gen Ed Attribute: Writing Emphasis.

ECO 400. Research Methods- Business & Economics. 3 Credits.

Provides the skills and tools required in business and economic research. Covers research ethics, hypothesis development, data collection, multivariate analysis, and regression. Senior Economics majors only.

Pre / Co requisites: ECO 400 requires prerequisites of ECO 340, ECO 348, ECO 351, and a minimum 2.50 cumulative GPA.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

EDA**EDA 203. Field: Students with Exceptionalities. 3 Credits.**

This course is designed to have prospective teachers observe and reflect upon best practices in teaching within the context of a continuum of special education placements in public schools. The content will focus on a broad view of pedagogy, lesson planning, social equity, and culturally responsive practices in special education.

Pre / Co requisites: EDA 203 requires a prerequisite of EDA 103.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

EDA 414. PreK - 12 Transition Systems II. 3 Credits.

This course will address support structures that serve students with disabilities as experience horizontal and vertical transitions throughout the PreK-12 years, and to adult life, stressing the assessment planning, instructional strategies that promote career development, and curricular delivery process. Attention will be given to curricular benchmarks and standards, and how functional outcomes interact with those benchmarks and standards.

Pre / Co requisites: EDA 414 requires prerequisites of EDA 103, EDA 203, EDA 362, EDA 363, EDA 413, and Teacher Candidacy.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

EDR**EDR 304. Teaching Language Arts Pre-K-4. 3 Credits.**

This course examines theories, issues, methods, materials and assessments for a developmental PK-4 language arts program. Integrating reading, writing, speaking, listening, viewing, and visually representing as tools for communication, discovery, and learning across the curriculum will be emphasized. This course is intended to enable participants to help elementary students learn to communicate using various language competencies including writing, listening, speaking, viewing, and visually representing. As pre-service teachers and as writers, it is especially important to understand the writing process and how children learn to write. Students will explore the rituals and routines that foster a supportive language arts environment and the interconnections of language, literacy, and culture. They will examine various topics, such as the writing process, writing workshop, genres of writing, listening to learn, sustaining productive talk, spelling, grammar, assessment, and integration of technology. The writing activities in this course are designed to help students see themselves as writers and to reflect on their future role as exemplary teachers of writing.

Pre / Co requisites: EDR 304 requires a prerequisite of EGP 210.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

EDR 305. Teaching Language Arts for Students with Special Needs PreK-8. 3 Credits.

This course examines theories, issues, methods, materials and assessments for a PK-8 language arts program in a special education setting. Integrating reading, writing, speaking, listening, viewing and visually representing as tools for communication, discovery, and learning across the curriculum will be emphasized. This course is designed to provide opportunities for students to develop their writing and speaking abilities over the course of the semester.

Pre / Co requisites: EDR 305 requires a prerequisite of EDP 250.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall & Spring.

EDR 306. Teaching Language Arts 4-8. 3 Credits.

This course is designed to study current trends for integrating language arts across curriculum in the middle school setting. Emphasis is placed on the connections between listening, speaking, writing, and reading. Instructional strategies that link reading, writing, literature, and language across the curriculum will be explored. Appropriate language arts curriculum, including pedagogy for early adolescents, will be addressed.

Pre / Co requisites: EDR 306 requires a prerequisite of EDP 201 or EDP 250.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

EDS

EDS 306. Teaching Principles and Field Experience in Secondary Schools. 3 Credits.

Methods and strategies of teaching in secondary schools will be the core of the course. Implications of classroom management, learning, and other related problems will be discussed. Students will observe in a classroom for nine weeks.

Pre / Co requisites: EDS 306 requires prerequisites of EDF 100 or EDF 300 and formal admission into teacher education.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

EFR

EFR 322. French Food: The History and Mysteries of French Cuisine. 3 Credits.

Why is French food considered a world heritage? How did it achieve such a status? Students will explore the origins of French cuisine, its evolution, and its current situation in a global economy to evaluate the enduring qualities of this important aspect of French culture. This study of French food will serve as a guiding thread to learning more about history, the arts, gender roles, tourism, politics, trade, immigration, and colonialism. No knowledge of French is required.

Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Writing Emphasis.

Typically offered in Fall & Spring.

EGE

EGE 405. German Film: Expressionism to Contemporary German Film. 3 Credits.

An analysis of German films from Expressionism to the present. Students shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlöndorff, von Trotta, and Wenders. No knowledge of German required.

Gen Ed Attribute: Arts Distributive Requirement, Foreign Language Culture Cluster, Germany Culture Cluster, Writing Emphasis.

Typically offered in Fall.

EGP

EGP 220. Theory/Field Experiences in the Early Grades. 3 Credits.

Orientation to the curricula, processes and structures of the PreK-4 classroom. Field experiences, minimum 30 hours, related to course topics.

Pre / Co requisites: EGP 220 requires a prerequisite of either EGP 209 or EGP 210.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

EGP 322. Pre-K Methods and Field. 6 Credits.

This course is a 6 credit methods and field course. Students will learn to plan and implement developmentally effective curriculum for children three to five years old. Students will be in field placements for six hours each week.

Pre / Co requisites: EGP 322 requires prerequisite EGP 209 and EGP 220 and field clearances.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

EGP 402. Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms. 3 Credits.

Study of the elementary classroom as a unique social system and intentional learning community. Applications of interpersonal and group development theories plus interactional learning models in light of diverse sociocultural contexts. Development of knowledge and skills essential to plan for and facilitate high levels of achievement, cooperation, social competence, and supportive peer interactions in a dynamic classroom learning system.

Pre / Co requisites: EGP 402 requires prerequisites of Formal Admission to Teacher Education and EDR 317 or EGP 322.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

ENG

ENG 201. Introduction to English Studies. 3 Credits.

This course is an introduction to the English Studies discipline and its many sub-fields of inquiry. It emphasizes interpretation and production of textual genres. Students examine how their reading and writing strategies affect their interpretation and production of texts.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ENG 206. Black Critical Theory. 3 Credits.

This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history and culture such as The Harlem Renaissance, The Realist/Protest Movement, The Civil Rights Era/Black Arts Movement, and The Feminist/Womanist Movement.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ENG 215. Views on Literacy. 3 Credits.

The historical and social contexts of English literacy. Emphasis on writing.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

ENG 240. Language, Gender, and Sexuality. 3 Credits.

This course introduces students to the study of language as a resource for the production of gender and sexuality. Discussion of popular beliefs and scholarly theories about language and communication.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Spring.

ENG 270. Book History: Introduction. 3 Credits.

This course studies the history of the creation, production, distribution, circulation, and reception of the written word. As it traces how authorship, reading, publishing, and the physical properties of texts have altered over time, the course examines, both historically and analytically, the intellectual, social and cultural impact of changing communications technologies against the backdrop of our current digital age.

Gen Ed Attribute: Writing Emphasis.

ENG 295. Histories and Texts. 3 Credits.

This course focuses on history and its influences on the reception and production of texts.

Students will be asked to engage critical historical and literary materials in order to develop insight into how cultural historical circumstances enable the production of texts and influence how readers respond to them. Second of three majors' core courses.

Gen Ed Attribute: Writing Emphasis.

ENG 296. Theory & Criticism in English Studies. 3 Credits.

Students will examine major theoretical approaches to working with texts with an emphasis on how the relationship between meaning and text is conceived by different critical theories. This course also provides students with an overview of the intellectual lineage that subtends modern and postmodern theory in the humanities, highlighting the ways in which postmodern theory came to challenge earlier aesthetic and philosophical movements, such as pre-sophist, Greco-Roman, Medieval, Modern, Romantic, and Enlightenment traditions in Western European cultures. The course helps students to both understand and challenge the dominance of Western Culture in English Studies altogether by exploring comparative non-western aesthetic and philosophical movements.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ENG 304. Essay Workshop. 3 Credits.

Experience in reading and writing essays, with focus on revision, on the use of the public 'I', and on appropriate voice. Attention to invention.

Gen Ed Attribute: Writing Emphasis.

ENG 305. Environmental/Experiential Writing: Taking Action. 3 Credits.

This service-learning writing course will ask students to do environmental service in our area, evaluate others' environmental actions, and reflect upon these experiences in writing. We will consider writing itself as an important action for self-awareness and social change.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

ENG 320. Usability & User Experience. 3 Credits.

Introduction to usability and user experience in the development and revision of websites, including issues of accessibility.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ENG 345. Women Writing: Autobiography. 3 Credits.

A writing seminar directed toward the reading of women's autobiographies and the writing of personal autobiographical narratives.

Gen Ed Attribute: Writing Emphasis.

ENG 368. Business and Organizational Writing. 3 Credits.

The nature of communication within business and organizations. Theoretical basis and practical application.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

ENG 371. Technical Writing. 3 Credits.

Instruction in the forms and techniques of written, oral, and visual communication currently practiced in the scientific and technical professions. A series of coordinated assignments leads to a final project in the student's field of professional study.

Gen Ed Attribute: Writing Emphasis.

ENG 375. Strategies for Writing in the Workplace. 3 Credits.

Strategy and politics of client-centered and competitive writing that achieves objectives for the professions and organizations.

Gen Ed Attribute: Writing Emphasis.

ENG 397. Writing Tutoring. 3 Credits.

Theory and practice of writing tutoring, especially for those who plan a career in teaching or who are focusing on the remediation or development of language and writing skills.

Gen Ed Attribute: Writing Emphasis.

ENV**ENV 455. Environmental Health Seminar. 3 Credits.**

In-depth investigation and discussions on topics of particular concern or significance to the environmental health field. Topics will be varied from year to year.

Pre / Co requisites: ENV 455 requires prerequisite: Senior Environmental Health majors only.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

ERU**ERU 309. Russian Culture. 3 Credits.**

(In English) A course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.

Gen Ed Attribute: Foreign Language Culture Cluster, Interdisciplinary Requirement, Russia & Eastern Europe Culture Cluster, Writing Emphasis.

Typically offered in Fall & Spring.

ESP**ESP 300. Latin-American Culture and Civilization (In English). 3 Credits.**

Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world. No knowledge of Spanish is required.

Gen Ed Attribute: Foreign Language Culture Cluster, Interdisciplinary Requirement, Spanish Culture Cluster, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

ESS**ESS 201. Field Geology. 3 Credits.**

An introduction to the basic methods of geologic data collection in the field; analysis, and presentation; literature research; and report writing. One weekend field trip is required.

Pre / Co requisites: ESS 201 requires a prerequisite of ESS 101.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ESS 204. Historical Geology. 3 Credits.

LEC (2), LAB (2)

An examination of how Earth has evolved over geologic time, from its origin as a tiny lifeless planetesimal to its present state as a dynamic planetary system teeming with life. Rocks, fossils, and other evidence of Earth's past are analyzed and evaluated with knowledge of modern physical and biological processes to infer Earth's history, understand its present state, and predict its future. Laboratory included. Recommended for students who have completed ESS 101 or another introductory (100-level) science course.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

ESS 331. Introduction to Paleontology. 3 Credits.

LEC (2), LAB (2)

Identification and study of common fossils in order to understand their life processes and geologic significance.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

FIN**FIN 400. Senior Seminar in Finance. 3 Credits.**

This capstone course is a seminar for senior finance majors. Its main objective is to deepen students' understanding of relevant finance topics and current developments attributed to them, and to sharpen writing, speaking and critical thinking skills in the context of important finance topics. Students will explore various finance topics through quality finance sources, in-class activities and assignments.

Pre / Co requisites: FIN 400 requires prerequisites of FIN 326, FIN 344, and a minimum 2.50 cumulative GPA.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring, Summer, Winter.

FLM**FLM 200. Introduction to Film. 3 Credits.**

A survey of the principal elements of film including photography, editing, sound, acting, and narrative.

Gen Ed Attribute: Arts Distributive Requirement, Writing Emphasis.

Typically offered in Fall & Spring.

FLM 201. American Film. 3 Credits.

The function of cinema in contemporary society as a socio-cultural, economic and political object, as seen through critical analysis of American films.

Gen Ed Attribute: Writing Emphasis.

FLM 202. American Themes. 3 Credits.

An introduction to contemporary critical and theoretical principles for interpreting American films which concentrates on a single theme.

Gen Ed Attribute: Writing Emphasis.

FRE**FRE 305. Advanced Grammar and Stylistics. 3 Credits.**

Study of the more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on an advanced level with emphasis on correct usage.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

GEO**GEO 310. Population Geography. 3 Credits.**

An introduction to theories, concepts, processes and geographical patterns of human population.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

GEO 400. Senior Seminar In Geography. 3 Credits.

The study of historical and contemporary trends in geography; the design, preparation, and defense of a research proposal.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall.

GER**GER 326. The Representation of the Holocaust in Survivor Memoirs. 3 Credits.**

This course will introduce undergraduate students to representations of the Holocaust in German-language and Yiddish Survivor Memoirs. Following a contextual introduction on the history of the Holocaust, students will learn about the different ways in which Holocaust survivors managed to recount the experiences that they endured, and students will be able to compare the experiences based on gender as well as on where survivors lived after the Holocaust. How did survivors, who chose to publish in German, experience a world in which German was classified as the perpetrator language? Students will also read Holocaust Survivor accounts written in Yiddish in German translation. What are the limits of language? What are the limits of Yiddish, which as a language has been perpetually threatened by extinction since the end of the Holocaust? These important questions will be underscored by an overview of the historical context of the Holocaust. The entire course will be conducted in German. Pre / Co requisites: GER 326 requires a prerequisite of GER 202 or permission of the instructor. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

GER 405. A Survey of German Film. 3 Credits.

An analysis of German films from Expressionism to the present. Students shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlöndorff, von Trotta, and Wenders. Taught in conjunction with EGE 405. Pre / Co requisites: GER 405 requires a prerequisite of any 300-level German course. Gen Ed Attribute: Arts Distributive Requirement, Writing Emphasis. Distance education offering may be available. Typically offered in Fall.

HEA**HEA 244. Communicating Public Health. 3 Credits.**

This course is designed to introduce students to various narrative forms in public health. Completion of this course enables students to meet the foundational competencies of a bachelor's degree in public health, including locating, using, synthesizing, and communicating public health information. Through a variety of writing assignments and an oral presentation, students will demonstrate the ability to communicate public health information to diverse audiences. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available. Typically offered in Fall & Spring.

HEA 306. Curriculum and Instruction. 3 Credits.

This course provides the knowledge and skills for the development, implementation, and evaluation of K-12 comprehensive school health curriculums. Pre / Co requisites: HEA 306 requires a prerequisite of HEA 101. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HEA 310. Love and Marriage. 3 Credits.

Defines love and marriage for the student and teaches the skills essential to fulfilling those needs. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall, Spring & Summer.

HEA 315. Mind, Body, and Health. 3 Credits.

Theories and practice of health and healing through the mind/body connection. Emphasis on learning/practicing techniques for health promotion. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HEA 342. Program Planning and Evaluation. 3 Credits.

Provides an in-depth study of the program planning process and evaluation methods. Needed skills are developed and experience given in writing programs from assessment through evaluation with both hypothetical and real populations. Pre / Co requisites: HEA 342 requires prerequisites of HEA 242 and HEA 244 and prerequisites or corequisites of HEA 330 and HEA 341. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HEA 345. Public Health and the Apocalypse. 3 Credits.

The "end of the world" scenarios like eco-disasters and the zombie apocalypse are exaggerated versions of real public health problems like infectious disease pandemics and climate change. Students will explore the core concepts of public health by engaging with various apocalyptic works of art, with the goal of understanding how public health professionals help society prepare for and manage threats. Reading a variety of professional and fiction sources will provide students with a foundation for strengthening their critical thinking and writing skills. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available. Typically offered in Fall, Spring, Summer, Winter.

HEA 420. Health Marketing and Communications. 3 Credits.

This course will emphasize the communications and marketing skills needed to develop, implement, and promote a wide variety of public health programs. Critical and analytical thinking skills are emphasized as students prepare a professional health communication campaign. Pre / Co requisites: HEA 420 requires a prerequisite of HEA 242 and a prerequisite or corequisite of HEA 342. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available. Typically offered in Fall & Spring.

HEA 434. Health Law, Economics, Ethics, and Policy. 3 Credits.

This course explores major topics in the study of public health care policy, law, ethics, and economics in the United States. We will discuss the role of health care policy and law in public health. We will define and apply ethical principles in health care policy and law. We will describe economic and financial considerations in public health policy. We will examine the aforementioned themes using a multidisciplinary approach that employs sociological, political, economic and ethical perspectives on health and disease and the health care system. Pre / Co requisites: HEA 434 requires prerequisites of HEA 242 and HEA 140. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HEA 440. School Health Programs. 3 Credits.

This course provides an overview of comprehensive school health programs. Specific focus is on program development, implementation, and evaluation. Pre / Co requisites: HEA 440 requires a prerequisite of HEA 101 for Health and Physical Education majors only. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 472. Mechanical Ventilation. 3 Credits.

A comprehensive study of mechanical ventilation, including the physiology of positive pressure breathing, techniques of ventilation, characteristics of commonly used ventilators, and monitoring of the ventilator-patient system. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 478. Respiratory Therapy Seminar I. 3 Credits.

Includes critical, written analysis, and discussion of pertinent respiratory care literature as well as elements of research relevant to the respiratory care profession. The students culminate their study of respiratory care by designing and implementing a miniresearch project. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

HIS**HIS 300. Varieties of History. 3 Credits.**

Historical research techniques. Methodology, historiography, and varieties of history. Pre / Co requisites: HIS 300 requires prerequisite of 6 credits of 100-level History courses. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HIS 366. The Turbulent Sixties. 3 Credits.

Examination of the stress and conflict in American politics, arts, literature, and society of the 1960's. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

HIS 400. Seminar in History. 3 Credits.

In-depth research, study, and discussion of a selected historical topic. Topics will vary. Recommended for seniors.

Pre / Co requisites: HIS 400 requires prerequisite of HIS 300.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

Repeatable for Credit.

HIS 451. Women and Gender in American History. 3 Credits.

The course examines the way ideas about women and gender have shaped the lives of Americans, their daily routines, social roles, and search for rights and identities from the pre-colonial period to the present.

Gen Ed Attribute: Diversity Requirement, Speaking Emphasis, Writing Emphasis.

Typically offered in Fall & Spring.

HON**HON 351. Honors Seminar. 3 Credits.**

First of two special topics offered fall semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Spring.

Repeatable for Credit.

HON 352. Honors Seminar. 3 Credits.

First of two special topics offered spring semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Fall.

Repeatable for Credit.

HON 381. Symposium in the Arts and Humanities. 3 Credits.

Investigation of leadership issues as they are found within special topics in the arts and humanities.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Repeatable for Credit.

HON 382. Symposium in Social and Behavioral Science. 3 Credits.

Investigation of leadership issues as they are found within special topics in the social and behavioral sciences.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Repeatable for Credit.

HON 383. Symposium in the Sciences. 3 Credits.

Investigation of leadership issues as they are found within special topics in the sciences.

Gen Ed Attribute: Writing Emphasis.

Repeatable for Credit.

HON 451. Honors Seminar. 3 Credits.

Second of two special topics offered fall semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Spring.

Repeatable for Credit.

HON 452. Honors Seminar. 3 Credits.

Second of two special topics offered spring semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Fall.

Repeatable for Credit.

HON 490. Honors Capstone Senior Project. 3-6 Credits.

Students will identify and investigate a problem in a community business, nonprofit agency, or research laboratory, and then work to solve the problem. Students will be expected to play an active role in the problem-solving effort and contribute a minimum of ten hours each week to help solve the problem. Students will seek interaction with the CEO, senior officer(s), and/or senior investigators of the business, agency, or laboratory, who will serve as leader models for student study. While projects are generally completed in the senior year, students may register for this course upon completion of the 27-hour core or by special permission of the Honors College Director.

Pre / Co requisites: HON 490 requires prerequisites of HON 100, HON 211, HON 212, HON 310, HON 311, HON 312 or HON 322, HON 314, and HON 315.

Gen Ed Attribute: Ethics Requirement, Speaking Emphasis, Writing Emphasis.

Typically offered in Fall & Spring.

Repeatable for Credit.

HPE**HPE 304. Secondary School Wellness Education. 6 Credits.**

Teacher candidates will learn to positively impact the wellness of K-12 students through the Whole School, Whole Child and Whole Community framework. As part of the course, students will learn to plan and implement effective middle and high school wellness education lessons, follow developmentally appropriate practices, demonstrate best practices, describe an effective secondary wellness program and design a school wellness policy as required by Federal law. The course addresses the Center for Disease Control and Prevention's (6) risk behaviors which lead to premature death and disability.

Pre / Co requisites: HPE 304 requires prerequisites of HPE 108 and HPE 186.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

HPE 305. Pedagogy and Critical Issues in Urban School Wellness Education. 3 Credits.

This course affords teacher candidates the opportunity to gain the experience, confidence and pedagogical skills to effectively teach school wellness education in an urban setting. The course will examine critical issues such as the social, cultural, historical, political, and economic forces that have shaped their development and that of urban schools. An emphasis will be placed on analyzing and reflecting critically on past and present educational reform initiatives and how they impacted the students, teachers, families and the community. Finally, topics such as the racial achievement gap, immigration, deindustrialization, suburbanization, crime and relevant community institutions will be explored.

Pre / Co requisites: HPE 305 requires prerequisites of HPE 108 and HPE 186.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

ITA**ITA 301. Advanced Grammar/Composition/Conversation I. 3 Credits.**

A course whose primary purpose is to develop and hone students' writing abilities in Italian through a systematic grammar review.

Pre / Co requisites: ITA 301 requires a prerequisite of ITA 202.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

JRN**JRN 200. Introduction to Journalism. 3 Credits.**

This course is designed to introduce students to journalism through developing a critical news media literacy, practicing newswriting, and learning the values of journalism. Through the course, students are introduced to the various genres of contemporary journalism. This is a studio course designed for students to collectively grow as writers. Effective writers are fluent in the conventions that characterize different writing situations, are fluent in the histories and power relations that inform these conventions, and read critically on issues that affect various communities. As such, in this course students analyze the intersection of journalistic principles with systems of power, race, class, gender, and ability.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

JRN 225. Newswriting. 3 Credits.

A course designed to develop proficiency in the writing of news stories for daily and weekly newspapers. News values, the structure and style of news, and the preparation of copy in accordance with professional standards will be stressed.

Gen Ed Attribute: Writing Emphasis.

JRN 315. Magazine Article Writing. 3 Credits.

Practical instruction in the skills required for successful freelance magazine writing with emphasis on research, interviewing, writing techniques, and marketing. Students will write and submit for publication short features and a full-length magazine article.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

JRN 399. Special Topics in Journalism. 3 Credits.

Each time this course is taught, the instructor will choose a relevant, timely topic in journalism. Students will engage in journalistic writing, media production, and news analysis related to the special topic. Special topics may include hip-hop journalism, grassroots journalism, women in journalism, investigative reporting, etc.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

Repeatable for Credit.

LIN**LIN 211. Language Communities in the US and Canada. 3 Credits.**

Exploration and analysis of how aspects of language usage (dialect, "accent," bilingualism) relate to language-based discrimination in the U.S. and Canada generally. Emphasis is on bias, discrimination, and profiling based on race, class, gender, religious affiliation, and ethnicity. Examples will be drawn from mainstream media, including popular film and television.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Fall & Spring.

LIT**LIT 165. Topics in Literature. 3 Credits.**

A course designed to develop awareness of literature as being central to all the arts, to increase levels of literacy and critical faculties, and to broaden understanding of the human condition.

Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

LIT 202. African American Literature I. 3 Credits.

A survey of African American writing from the Middle Passage through the first decade of the 20th century. Authors include Wheatley, Equiano, Douglass, Jacobs, Wells-Barnett, Du Bois, Washington, Chesnut, Weldon Johnson, and others, with an emphasis on the historical contexts of slavery and Jim Crow and on the oral/vernacular roots of the black literary tradition.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

LIT 203. African American Literature II. 3 Credits.

Continuation of LIT 202. A survey of African American writing from the Harlem Renaissance to the present. Authors include Hughes, Hurston, Wright, Ellison, Baraka, Brooks, Sanchez, Morrison, Butler, and others, with an emphasis on the historical forces and social and cultural movements that have shaped black writing in the 20th and 21st centuries.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

LIT 204. New Black Women Writers in America. 3 Credits.

Survey of black women writers of America. Examines themes and influences on American and African-American literary contexts.

Gen Ed Attribute: Writing Emphasis.

LIT 207. Life and Times of Frederick Douglass. 3 Credits.

This course examines the courageous life and times of an American reformer and his influence on slavery, abolitionism, suffrage, and temperance movements in the development of America.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

LIT 213. Asian American Literature. 3 Credits.

Survey of representative Asian American authors from their earliest works at the turn of the twentieth century to contemporary works, examined in the context of the changing cultural, economic, and political experiences of Americans of Asian descent.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 230. English Literature I. 3 Credits.

A survey of English literature from Anglo-Saxon writing through the 18th century.

Gen Ed Attribute: Writing Emphasis.

LIT 231. English Literature II. 3 Credits.

A survey of English literature of the 19th and 20th centuries.

Gen Ed Attribute: Writing Emphasis.

LIT 272. New Fiction. 3 Credits.

Fiction published in the last 10 years.

Gen Ed Attribute: Writing Emphasis.

LIT 274. Feminist Poetry. 3 Credits.

A study of poetry espousing the feminist cause and exploring the feminist response.

Techniques and attitudes of such poets as Plath, Sexton, Rich, Morgan, Wakoski, and Kumin.

Gen Ed Attribute: Writing Emphasis.

LIT 302. Development of the American Novel. 3 Credits.

Beginnings of the American novel to Frank Norris.

Gen Ed Attribute: Writing Emphasis.

LIT 303. Intro to Multi-Ethnic American Literature. 3 Credits.

American ethnic, racial, and national groups in American literature and the contributions of creative literary artists representing these cultures.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 306. Modern American Novel. 3 Credits.

The novel in America from Dreiser to the present.

Gen Ed Attribute: Writing Emphasis.

LIT 335. Shakespeare I. 3 Credits.

Reading, analysis, and discussion of selected histories and tragedies. Discussion of critical approaches to the plays and of the historical and intellectual climate of the times.

Gen Ed Attribute: Writing Emphasis.

LIT 336. Shakespeare II. 3 Credits.

Reading, analysis, and discussion of selected comedies and nondramatic poems. Discussion of critical approaches to the works and of the historical and intellectual climate of the times.

Either LIT 335 or 336 may be taken first.

Gen Ed Attribute: Writing Emphasis.

LIT 337. Literature of the Enlightenment. 3 Credits.

A critical consideration of the 18th-century writers, exclusive of the dramatists.

Gen Ed Attribute: Writing Emphasis.

LIT 339. 18th Century British Novel. 3 Credits.

The British novel from Defoe to Austen.

Gen Ed Attribute: Writing Emphasis.

LIT 340. The Romantic Movement. 3 Credits.

Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and critical doctrine.

Gen Ed Attribute: Writing Emphasis.

LIT 342. Victorian Literature. 3 Credits.

Victorian thought and culture in poetry and nonfiction prose.

Gen Ed Attribute: Writing Emphasis.

LIT 370. Urbanism and the Modern Imagination. 3 Credits.

Covers a variety of responses of contemporary writers, artists, and planners to the rise of the modern city.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

LNC**LNC 105. Global Science Fiction. 3 Credits.**

How do people relate to one another in a constantly changing universe? Students will engage a broad range of global science fiction to reflect on some of the most pressing ethical questions of the modern world. Topics may include how individuals and communities confront mad scientists, alien races, surveillance technologies, and post-apocalyptic landscapes, while exploring what it means to be human. All materials in English translation.

Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

MAT**MAT 301. The Scientific Revolution. 3 Credits.**

This course addresses how modern science began in the 17th century by examining its origins and including introductions to the heroes of science – Copernicus, Kepler, Galileo, and Newton. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Spring.

MAT 401. History of Mathematics. 3 Credits.

This course will cover selected topics from the history of mathematics. Many great mathematicians will be studied including Hippocrates, Euclid, Archimedes, Heron, Cardano, Newton, the Bernoulli Brothers, Euler, Gauss, and others. Mathematics problems will be approached using the methods and knowledge of the era studied. A solid background in undergraduate mathematics is required. Pre / Co requisites: MAT 401 requires a prerequisite of a C or better in MAT 261. Gen Ed Attribute: Speaking Emphasis, Writing Emphasis. Typically offered in Spring.

MGP**MGP 220. Field Experience: Middle Level Environment. 3 Credits.**

Orientation for the curricula, processes, and structures of 4-8 classrooms. Field experiences, minimum 30 hours, related to course topics. Pre / Co requisites: MGP 220 requires prerequisites of two of the following: EDP 200, EDP 201, or EDP 250; field clearances. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall, Spring & Summer.

MGP 335. Teaching Social Studies in Middle Grades. 3 Credits.

This course is a study of social studies teaching and student learning in grades 4-8, focusing on related curricula, instruction and assessment in these grades. National, state and local standards are utilized as frameworks to explore the context, purpose, content, and interdisciplinary nature of the social studies. Field clearances required. Pre / Co requisites: MGP 335 requires prerequisite MGP 220, Formal Admission to Teacher Education and field clearances. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

MGT**MGT 313. Business and Society. 3 Credits.**

An analysis of the social, political, legal, environmental, and ethical problems faced by business firms. Pre / Co requisites: MGT 313 requires prerequisites of MGT 200 (majors only) and a minimum 2.50 cumulative GPA. Gen Ed Attribute: Ethics Requirement, Writing Emphasis. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

MGT 498. Seminar in Management. 3 Credits.

This course engages students in reading, writing, discussion, and research on current topics in management. Pre / Co requisites: MGT 498 requires a minimum 2.50 cumulative GPA and a minimum of 90 credits completed. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available. Typically offered in Fall & Spring.

MGT 499. Business Policy and Strategy. 3 Credits.

This School of Business capstone course requires all business majors to integrate and apply multidisciplinary knowledge and skills in actively formulating improved business strategies and plans. Case method predominates, presentations, and written reports are required. Pre / Co requisites: MGT 499 requires prerequisites of BLA 201, FIN 325, MGT 200, and MKT 250 and a minimum 2.50 cumulative GPA. Gen Ed Attribute: Speaking Emphasis, Writing Emphasis. Distance education offering may be available. Typically offered in Fall, Spring, Summer, Winter.

MHL**MHL 301. Music and the Related Arts. 3 Credits.**

Examines ways in which music parallels at least two other visual, performing, and/or verbal arts in Western and/or non-Western culture. Concentration on the development of skills of critical perception through practical application to music and other arts. Pre / Co requisites: MHL 301 requires a prerequisite of MTC 212 and MHL 211 or permission of instructor. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Fall.

MHL 454. History of Opera. 3 Credits.

A basic course in the origin and development of opera and its dissemination throughout the Western world. Pre / Co requisites: MHL 454 requires prerequisite of MHL 212. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

MHL 455. History of Orchestral Music. 3 Credits.

A study of representative orchestral works: symphonies, concerti, suites, overtures, and others, from the Baroque Period to the present. Pre / Co requisites: MHL 455 requires prerequisite of MHL 212. Gen Ed Attribute: Writing Emphasis.

MHL 459. Topics in American Music. 3 Credits.

Survey of the development of music and musical styles from 1620 to the present. Analysis of styles, forms, aesthetic concepts, and practices. Gen Ed Attribute: Writing Emphasis.

MKT**MKT 425. Marketing Strategy and Planning. 3 Credits.**

Application of the skills required for effective managerial decision making and communication using a team approach. Emphasis on case studies, computer simulations, and the development of a marketing plan; oral and written presentation of results. Pre / Co requisites: MKT 425 requires prerequisites of MKT 250, MKT 330, MKT 360, and minimum 2.50 cumulative GPA. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available. Typically offered in Fall, Spring, Summer, Winter.

MPT**MPT 240. Fundamentals of Music Therapy. 3 Credits.**

This course provides a survey of the music therapy profession. Students will learn about music therapy literature, current practice, multicultural considerations, and clinical applications of music therapy through experiential learning, research, and writing. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

MPT 331. Music Therapy Principles I (Pediatrics). 3 Credits.

This course is designed to equip the future music therapist with the necessary skills and knowledge of methods and materials required to successfully facilitate individual, group, and family music therapy sessions with pediatric clientele. Field observations (practicum) placements in pediatric clinical settings are a part of the course. Pre / Co requisites: MPT 331 requires prerequisites of MPT 101 and MPT 240. Gen Ed Attribute: Diversity Requirement, Writing Emphasis. Typically offered in Fall & Spring.

MPT 332. Music Therapy Principles II (Adults). 3 Credits.

This course is designed to equip the future music therapist with the necessary skills and knowledge of methods and materials required to successfully facilitate individual, group, and family music therapy sessions with adult clientele. Field observations (practicum) placements in adult clinical settings are a part of the course. This course is intended to develop a student's ability to think critically and analytically about the form and function inherent in the therapeutic process and to communicate effectively. Pre / Co requisites: MPT 332 requires prerequisites of MPT 101, MPT 240, and MPT 331 or department permission. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

MPT 333. Music Therapy Principles III (Older Adults). 3 Credits.

This course is designed to equip the future music therapist with the necessary skills and knowledge of methods and materials required to successfully facilitate individual, group, and family music therapy sessions with older adult clientele. Field observations (practicum) placements in older adult clinical settings are a part of the course. This course is intended to develop a student's ability to think critically and analytically about the form and function inherent in the therapeutic process and to communicate effectively.

Pre / Co requisites: MPT 333 requires prerequisites of MPT 101, MPT 240, MPT 331, and MPT 332, or department permission.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

MTC**MTC 342. Music Analysis. 3 Credits.**

An overview of major trends in music analysis applied to a variety of musical styles. Addresses how analysis informs composition, performance, scholarship and pedagogy.

Pre / Co requisites: MTC 342 requires a prerequisite of MTC 212.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

MUE**MUE 331. Music Methods and Materials I. 3 Credits.**

The study of music and the learning process at the elementary level to include Dalcroze, Kodaly, and Orff.

Pre / Co requisites: MUE 331 requires prerequisites of MUE 201 and VOC 311 or AIC 311 and formal admission into teacher education. Current Act 34, Act 114, ACT 151 clearances and TB test valid for semester.

Gen Ed Attribute: Writing Emphasis.

MUE 332. Music Methods and Materials II. 3 Credits.

The study of music and the learning process at the secondary level to include technology, listening skills, multicultural diversity, general music programs, and administrative skills.

Pre / Co requisites: MUE 332 requires prerequisites of MUE 331 and formal admission into teacher education. Current Act 34, Act 114, Act 151 Clearances and TB test valid for semester.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

NSG**NSG 313. Applied Nursing Research. 3 Credits.**

This course is designed to provide students with a thorough understanding of the mechanism by which evidence is developed including the research process, clinical judgment, interprofessional perspectives and patient preference as applied to practice. This course is also a foundation for more complex research applications at the graduate level. Opportunities include development of a literature review, critique of a qualitative and quantitative nursing research study and participating in the conduct of nursing research with a faculty member.

Pre / Co requisites: NSG 313 requires prerequisites of NSG 212, NSL 212, and MAT 121 or MAT 125.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

NSG 317. Women's Sex and Sexuality. 3 Credits.

Women, Sex and Sexuality is a writing intensive course examining women's experience with sex and sexuality from a biopsychosocial perspective. The approach is inclusive of multiple foci including age, race, ethnicity, sexual orientation, (dis)ability and other aspects of human difference. Special attention is paid to women's sexuality within the context of gender analysis.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

NSG 332. Ethics and Health Policy in Nursing. 3 Credits.

This course is designed to explore the role of ethics in healthcare and public policy. Common ethical problems are discussed and strategies for resolution of ethical dilemmas are applied. This course will address such topics as end-of-life care, living wills and advanced directives, social networking and media in Nursing, research with vulnerable populations and genomics. Focus is placed on values clarification, ethical theory, ethical decision making models, and professional ethical standards. Emphasis is on ethical obligations of professional nurses in their roles as citizens, members of a profession, providers of care, and facilitators of public health policy.

Pre / Co requisites: NSG 332 requires a prerequisite of admission to the RN-to-BSN program.

Gen Ed Attribute: Ethics Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

NSL**NSL 311. Laboratory. 5 Credits.**

Clinical experiences are provided in agencies where relatively well populations have been identified, such as schools, day care centers, senior citizen's programs and childbirth settings.

Pre / Co requisites: NSL 311 requires prerequisites of BIO 204 and BIO 259 and NTD 303 and NSG 212 and PSY 210 or HEA 206 and a corequisite of NSG 311.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

NSL 312. Laboratory. 5 Credits.

Clinical experience is provided in rehabilitation centers, nursing homes, and acute care settings. These environments provide flexibility for students to implement changes for clients and acquire skills which will be utilized in other nursing courses.

Pre / Co requisites: NSL 312 prerequisites: BIO 100, BIO 204, BIO 259, BIO 269, NSG 212, NSL 212, NTD 303, PSY 100, SOC 100; (CHE 103/CRL 103) and (CHE 104/CRL 104) OR (CHE 107/CRL 107); HEA 206 or PSY 210; one of these: WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, WRT 220.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

NTD**NTD 409. Professional Skills in Dietetics. 3 Credits.**

This course will focus on the development of nutrition counseling, oral and written communication, and media and skills. A familiarization with dietetics-related professional organizations, graduate school opportunities, and dietetic internships will be provided.

Assistance with the dietetic internship and graduate school application process will be given.

This course aims to provide students with the oral, written and technical skills necessary for effective client and public education. Specifically, practical experience in the classroom and in the field will help the student focus on improving skills in client interviewing and counseling, writing, and in designing and delivering a presentation.

Pre / Co requisites: NTD 409 requires a prerequisite NTD 309.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

NTD 414. Medical Nutrition Therapy II. 3 Credits.

The goal of this course is for the student to apply the nutrition care process and MNT principles to critical and acute disease management including fluid/electrolyte/acid-base balance, nutrition support, nutritional therapy in critical care, oncology, pulmonary diseases and muscular skeletal, immunological diseases. The student will develop a variety of disease specific case studies and nutrition interventions. Students are expected to integrate nutritional assessment information; drug-nutrient interaction data, disease pathophysiology, and Medical Nutrition Therapy principles to design nutrition care plan and apply medical terminology and abbreviations.

Pre / Co requisites: NTD 414 requires a prerequisite of NTD 413.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

NTD 425. Entrepreneurial Nutrition Management. 3 Credits.

The course applies entrepreneurial thinking to different foodservice and nutrition business models and how they innovate and take risks to introduce new products and services. With the triple bottom-line in mind, the course examines perspectives through social, environmental, and financial frameworks. Students will analyze the main characteristics of entrepreneurs, notably their ability to imagine changes that will impact the foodservice industry. This course will engage students through lectures, experiential learning opportunities, guest speakers, case studies, readings, individual, and group collaboration. Topics explored will include current trends in the marketplace, analyzing the industry employing the Gaps Model, creating business models, and products and service development. Students will also learn about and utilize social media as future entrepreneurs and managing sustainability.

Pre / Co requisites: NTD 425 requires a prerequisite of NTD 416.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall.

NTD 444. Lifestyle Nutrition Practicum. 3 Credits.

This course is a required course in the "Lifestyle Nutrition" concentration. It is a capstone course and should be taken senior year. This course aims to provide students with the oral, written and technical skills necessary for effective client and public education. Specifically, practical experience in the classroom and in the field will help the student focus on improving skills in client interviewing and counseling, writing for the lay public, and in designing and delivering a presentation to an audience.

Pre / Co requisites: NTD 444 requires prerequisites of NTD 309 and NTD 404.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Spring.

NTD 450. Field to Fork Events. 3 Credits.

In this capstone course, students learn about food system issues with a focus on local food systems. Students engage with industry experts in sustainability, event planning, fundraising, urban farming, and marketing and advertising. The class works with two local organizations to plan a fundraising event: one that is a nonprofit organization that targets food system issues such as hunger and food insecurity; and another organization that is a local food producer (e.g., artisan farm in the Brandywine region). The event raises funds to address local food system issues while marketing and promoting local food products and local food distribution systems. Students learn elements of event planning, budgeting, organizing, human resource management, production management, and marketing. These food management skills are learned in the context of promoting values for local economies, community, fair food systems, sustainability, and the environment. Through experiential learning, students gain knowledge of planning, organizing, and executing a sustainable foods event.

Pre / Co requisites: NTD 450 requires prerequisites of NTD 325, NTD 416, MGT 200, and MKT 250.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

PAX**PAX 373. Conflict Transformation. 3 Credits.**

This is a course designed with a focus on constructive change processes. Students will investigate and develop analytical frameworks for understanding conflict and violence. The course will provide strategies for violence prevention/reduction, conflict transformation, and post-conflict healing. Special attention will be given to the topics of interpersonal peacemaking and restorative justice.

Pre / Co requisites: PAX 373 requires 3 credits of a PAX, WOS, or PHI class or permission of the program chair.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

PHI**PHI 102. Introduction to Religious Studies. 3 Credits.**

The role of religion in human life. Illustrations drawn from various traditions, rituals, and belief patterns, both ancient and modern.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

PHI 310. New Religious Movements. 3 Credits.

An examination of New Religious Movements, alternative spiritualities and "cults." This course will explore their main beliefs and practices as well as theoretical perspectives for understanding them.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

PHI 330. Introduction to Meaning. 3 Credits.

Discussion of the analysis of meaning given by various disciplines, including philosophy, psychology, linguistics, communication studies, and the arts.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Spring.

Cross listed courses LIN 330, PHI 330.

PHI 340. Contemporary Moral Issues. 3 Credits.

Philosophical examination of major social debates (e.g. abortion, human cloning, war, and violence) and their relation to race, class, gender, etc.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

PHY**PHY 310. Intermediate Physics Lab: Experimental Methods & Scientific Communication. 3 Credits.**

LEC (1), LAB (2)

A lecture and laboratory course designed to familiarize students with experimental physics and scientific communication. Students conduct experiments, analyze data, and come to evidence-based conclusions. In addition, explicit instruction occurs on writing and presenting in the discipline of physics. Students write a scientific report on an experiment and present their findings to the department.

Pre / Co requisites: PHY 310 requires prerequisites of PHY 240 and PHY 175.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall & Spring.

PHY 455. Advanced Physics Lab: Experimental Methods & Scientific Communication. 3 Credits.

LEC (1), LAB (2)

This course is a continuation of PHY 310, a lecture and laboratory course designed to familiarize students with modern physics laboratory equipment and practices through a series of experiments. Students write three research papers and give one research talk describing the experiments and their results in a style consistent with scientific conventions.

Pre / Co requisites: PHY 455 requires a prerequisite of PHY 310.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall & Spring.

PIA**PIA 423. Baroque Keyboard Literature. 3 Credits.**

The Renaissance through development of variation form and dance suite. Performance practices, ornamentation, and figured bass. In-depth study of works of Handel, Bach, and Scarlatti. Some student performance required.

Gen Ed Attribute: Writing Emphasis.

PIA 424. Classical Piano Literature. 3 Credits.

Origin and development of the sonata and performance practices of homophonic style. Music of Bach's sons, Haydn, Mozart, and Beethoven. Some student performance required.

Gen Ed Attribute: Writing Emphasis.

PIA 425. Romantic Piano Literature. 3 Credits.

Analysis of piano styles of Schubert, Chopin, Mendelssohn, Schumann, Liszt, Brahms, Faure, and Tchaikovsky. Performance practices. The virtuoso etude and problems of technical execution. Some student performance required.

Gen Ed Attribute: Writing Emphasis.

PIA 426. 20th Century Piano Literature. 3 Credits.

Seminal works and styles of this century. Albeniz, Rachmaninoff, Debussy, Ravel, Prokofiev, Hindemith, Schoenberg, Bartok, and American composers. Some student performance required.

Gen Ed Attribute: Writing Emphasis.

PLN**PLN 301. Planning History, Theory, and Ethics. 3 Credits.**

Planning theory is crucial to understanding how planners make decisions. Making ethical decisions is a critical component in the everyday life of an urban planner. This course takes an in-depth look at various planning theories including comprehensive, incremental, mixed scanning, advocacy, equity, and radical approaches to planning while adhering to the American Institute of Certified Planners (AICP) code of ethics and conduct. Students examine the history and evolution of planning; planning within a democracy; how planning influences society; new directions within the field, including sustainability; and finally the relationship between planning theory, practice, and ethical decision making. As a result, it will enable students to critically understand the purpose and contribution of planning within society as well as the role of the planner, including the issues of planning ethics, professional standards and conduct, and principles of the AICP Code of Ethics.
Gen Ed Attribute: Ethics Requirement, Writing Emphasis.
Typically offered in Spring.

PSC**PSC 200. Political Analysis. 3 Credits.**

This course is designed to serve as an introduction to the systematic processes of political science research, including methods for gathering and analyzing data on political science phenomena. It will provide instruction throughout on how to effectively communicate scholarly political science research.
Pre / Co requisites: PSC 200 requires a prerequisite of PSC 100.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSC 230. Introduction to Political Thought. 3 Credits.

Examination of key ideas that animated the great thinkers of Western thought. Special emphasis will be placed both on specific historical context and possibility of continuing relevance of considered ideas. Class will conclude with in-depth "case study" of contemporary dilemma that forces student to examine to what extent past ideas can aid our understanding of our present political landscape.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 320. U.S. Foreign Policy. 3 Credits.

This course will take a critical look at the implications of the dramatically altered post-9/11 global environment for the conduct of U.S. foreign policy. In particular, students will focus on the strategic choices facing policymakers as well as key policy topics related to military-strategic affairs, economic affairs, and transnational policies such as climate change, trafficking, and global health. Domestic institutions of U.S. foreign policy such as the President and Congress will also be analyzed.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring, Summer, Winter.

PSC 343. Culture and Politics of Asia. 3 Credits.

Study of cultural, philosophical, and political systems of modern Asia with special emphasis on China, Japan, and India.
Gen Ed Attribute: Writing Emphasis.

PSY**PSY 246. Research Methods in Psychology. 3 Credits.**

Critical examination of research methods in psychology, including experimental and quasi-experimental designs, correlational methods, and survey methods. Students will receive practical experience in the design, implementation, analysis, and interpretation of data, and in preparation of written reports for research projects.
Pre / Co requisites: PSY 246 requires a prerequisite of PSY 245.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring, Summer, Winter.

PSY 365. Psychology of Women. 3 Credits.

A study of the behavior and experience of women. Biological, cultural, interpersonal, and intrapersonal determinants of women's actions, thoughts, and feelings will be explored.
Pre / Co requisites: PSY 365 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 376. Social Psychology Laboratory. 3 Credits.

Electronic and/or laboratory exercises in social psychology.
Pre / Co requisites: PSY 276 requires prerequisites of PSY 100 and PSY 254.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PSY 384. Adult Development. 3 Credits.

Study of psychological development during the mature years up to and including death and dying.
Pre / Co requisites: PSY 384 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 476. Cognitive Laboratory. 3 Credits.

An experiential-learning course in which students learn first-hand how cognitive psychologists measure human thought processes such as perception, attention, language, memory, decision-making, and problem-solving.
Pre / Co requisites: PSY 476 requires prerequisites of PSY 245 and PSY 246, and a corequisite of PSY 475.
Gen Ed Attribute: Ethics Requirement, Writing Emphasis.
Distance education offering may be available.
Typically offered in Spring.

RUX**RUX 400. Critical Urban Work Practicum Seminar. 6 Credits.**

LEC (4), DIS (2)
This course is a capstone experience for Urban Community Change students to apply their critical study of the assets and challenges of urban communities; deepen their investments in urban communities; and synthesize practice, theories, and histories of community change with an in-depth field placement with an organization in Philadelphia or another urban location. Students will use knowledge developed in previous courses and fieldwork to focus on how to collaboratively build and sustain change publicly, within groups and institutions, and within themselves. Contemporary topics in urban community change, including research and practice, will be presented each week. Students will integrate their praxis into a model of transformative community building practices within the urban social context. This course may be taken twice for credit.
Pre / Co requisites: RUX 400 requires prerequisites of RUX 110, YES 300, RUX 215/PSY 215, and RUX 377/PAX 377. One may be waived by permission of the instructor or program advisor. Attendance at a meeting the previous semester with the RUCCAS faculty/staff is also required. Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.
Repeatable for Credit.

SCM**SCM 388. Plant Tours in Business Process Management. 3 Credits.**

This course presents fundamental concepts and state of the practice of business process management (BPM) for improving companies' performance and gaining competitive advantages. Specific topics include: process design, planning, control, and improvement, process flow measures and analysis, process flow variability management, and lean operations. This class is a plant-tour-based class, and the instructor will take students to visit the local factories to view how companies use BPM practices to achieve optimal performance.
Pre / Co requisites: SCM 388 requires a prerequisite of 60 completed credits.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring, Summer, Winter.

SCM 499. Supply Chain Management Consulting. 3 Credits.

This course offers applied experience through client-based supply chain management projects that require an in-depth investigation of supply chain problems in various industries, as well as oral presentations and written professional reports. Students will be assigned to teams, each consisting of about 4 students. The teams will work with selected clients in the assigned supply chain management consulting project and present the solutions to the clients.

Pre / Co requisites: SCM 499 requires a prerequisite of MGT 341 or SCM 351.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

SED**SED 300. Principles of Teaching and Technology in the Secondary Classroom. 3 Credits.**

This course provides hands-on technology instruction, including film production, interactive whiteboards, and podcasting, useful to future secondary teachers. The course also focuses on strategies for assessment and methods of teaching including unit plans, including a field component to apply knowledge of technology and assessment. It is an introduction to pedagogies of technology and strategies of assessment, specifically designed for secondary education majors. This class will require students to shift their perspective from primarily a teacher candidate who is an undergraduate student to a professionally engaged teacher who is ready to enter the profession. To accomplish this shift they will discuss theoretical frameworks for integrating technology into the classroom, as well as create projects with a number of different digital composition tools. Along the way, they'll discuss the various assessment concerns that come with teaching with technology, including assessing multimodal projects and designing effective group work.

Pre / Co requisites: SED 300 requires prerequisites of SED 200, field clearances, and Teacher Candidacy.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

SED 331. Methods of Teaching Secondary Social Studies. 3 Credits.

Methods and materials of teaching social studies for prospective secondary school teachers. Emphasis is on combining educational theory with social studies content for effective teaching. Course emphasizes exercises and practical application in the field experience.

Pre / Co requisites: SED 331 requires prerequisites of SED 300 or EDS 306, Teacher Candidacy, and field clearances.

Consent: Permission of the Department required to add.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

SED 350. Techniques of Teaching Middle School Mathematics. 3 Credits.

The purpose of this course is to help students acquire and apply the skills, techniques, and dispositions required to be an effective secondary mathematics teacher. This course will discuss research-based effective strategies for teaching, such as orchestrating mathematical discussion, writing learning progressions, growth-mindset-oriented teaching strategies and the use of technology across middle grades topics. Emphasis will be on teaching overarching concepts and developing the thinking skills of students as described in the NCTM Process Standards and Common Core Standards of Mathematical Practice as they do mathematics. This course will also allow students to work in a classroom setting to examine how the curriculum is delivered in a middle school setting. They will work with students on an individual or group basis, work cooperatively with teachers, and participate in the lesson and assessment planning process. By the end of the course, they should teach at least one lesson.

Pre / Co requisites: SED 350 requires prerequisites of MAT 261, EDA 303, field clearances, and Teacher Candidacy.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

SED 354. Techniques of Teaching Secondary School Mathematics. 3 Credits.

This course focuses on effective, research-based techniques for teaching children mathematical concepts in secondary school. Topics include building pedagogical content knowledge for writing learning progressions, orchestrating discussion, formative assessment, developing high quality tasks, and effective integration of technology. Additionally, building mathematical knowledge or teaching for specific topics is addressed in the areas of geometry, algebra, discrete math, probability, statistics, trigonometry, and calculus.

Pre / Co requisites: SED 354 requires prerequisites of SED 350, field clearances, and Teacher Candidacy.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

SED 360. Science Education in the Secondary School. 3 Credits.

A methods course emphasizing knowledge of curricular development and skill in planning, involving the design and execution of learning activities for all instructional modes. This course includes a field placement in schools to apply knowledge learned in the classroom.

Pre / Co requisites: SED 360 requires prerequisites of Teacher Candidacy and field clearances.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

SMD**SMD 210. Psychosocial Perspectives of Sports/Recreational Injuries. 3 Credits.**

Present active individuals with information on the incidence, prevention, and management of sport/recreational injuries. In addition, the psychological impact and sociological factors effecting health care delivery will be addressed. Taken together students will be better prepared and more informed consumers of sport/recreational health care.

Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

SMD 414. History, Organization & Administration of Sports Medicine. 3 Credits.

A presentation of the historical and current perspectives of athletic training, including techniques for organizing and administering athletic training programs.

Pre / Co requisites: SMD 414 requires prerequisite of SMD 315. Athletic Training majors only.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

SOC**SOC 250. The Social Contexts of Substance Use. 3 Credits.**

Analysis of the structural causes and social impact of substance use and dependency including: alcohol, illegal drugs, and prescription drugs.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

SOC 492. Senior Seminar in Sociology. 3 Credits.

Preparation of senior research paper.

Pre / Co requisites: SOC 492 requires a prerequisite of senior status as a sociology major.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

SPA**SPA 301. Advanced Spanish Grammar and Composition. 3 Credits.**

Review and mastery of Spanish grammar, with special emphasis on sentence structures, stylistics, and the skills needed to write advanced compositions. Students will also continue to develop proficiency in listening comprehension and speaking skills. This course can be taken simultaneously with SPA 302 or SPA 303.

Pre / Co requisites: SPA 301 requires a prerequisite of SPA 202 or SPA 250.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

SPA 310. Business Topics in Spanish. 3 Credits.

Introduction to business concepts in Spanish in fields of management, banking, finance, accounting, marketing, and international business. No prior knowledge of business required. Practical course in oral communication. Some interpretation, translation, and writing of business documents.

Pre / Co requisites: SPA 303 requires prerequisites of SPA 301 and SPA 302.

Gen Ed Attribute: Writing Emphasis.

SUS**SUS 400. Sustainability Capstone: Application & Leadership. 3 Credits.**

In this course, students will apply prior sustainability knowledge in collaborative and individual projects to develop the interpersonal and managerial capacities necessary to be change leaders for sustainability.

Pre / Co requisites: SUS 400 requires a prerequisite of SUS 100.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

SWO

SWO 300. Family Systems. 3 Credits.

This course is an introduction to the family from a systems theory perspective. The course includes discussion of historical and contemporary definitions of the family, types of families, the social function of families, and an overview of the family life cycle. Particular attention is paid to diversity in order to highlight variations in family forms and styles along the lines of race, ethnicity, class and sexual orientation.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Summer.

SWO 351. Human Behavior and the Social Environment II. 3 Credits.

This course examines the life cycle from middle adulthood through older adulthood and death and dying with an emphasis on mezzo and macro theories of human behavior from a strengths and ecological systems perspective.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Spring.

SWO 491. Human Sexuality for Helping Professionals. 3 Credits.

In this course, human sexuality is explored from trauma-sensitive, strengths-based, and bio-psycho-social-cultural-spiritual perspectives. Students are given the opportunity to examine how their values, connected to a variety of sexuality topics, lead to their individual sense of morality and influence their personal and professional conduct. Students analyze where the Circles of Sexuality Model and the NASW Code of Ethics naturally intersect and discuss how social workers are often in ideal positions to spread the benefits of accurate and positive sexual health education to the individuals, groups, and communities they serve. In addition, trauma-informed social work and trauma-sensitive mindfulness applications are topics explored throughout the duration of this course.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

SWO 495. Social Work Senior Seminar I. 3 Credits.

Integration of field and classroom experiences in discussing the application of the generalist model to the helping process. Emphasis is on all levels of practice (individuals, families, groups, organizations, and communities. Social Work majors only.

Pre / Co requisites: SWO 495 requires a prerequisite of SWO 395 and a corequisite of SWO 450.

Gen Ed Attribute: Speaking Emphasis, Writing Emphasis.

Typically offered in Fall.

THA

THA 306. History of Theatre/ Drama I. 3 Credits.

Examination of plays, players, and methods of theatrical production from English Renaissance to 1875.

Pre / Co requisites: THA 306 requires a prerequisite of THA 113.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

THA 307. History of Theatre/Drama II. 3 Credits.

Examination of plays, players, and methods of theatrical production from Modern Theatre 1875 to 1900 through Contemporary Theatre 1975-Present.

Pre / Co requisites: THA 307 requires a prerequisite of THA 113.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.

THA 313. Playwriting Workshop I. 3 Credits.

Writing the play: possibilities and limitations of the stage. Attention to sets and costuming where relevant. Characterization by action and dialogue. Problems of establishing motivation. The play's totality in theme, character, and action. Informal readings of student work.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall.

WOS

WOS 225. Intro to Women's and Gender Studies. 3 Credits.

An interdisciplinary course designed to enable students to analyze the lived experience of women, to evaluate the impact of gender, to question the implications of changing cultural patterns, and to sample first-hand efforts for social change. Satisfies interdisciplinary requirement. Offered every semester.

Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement, Writing Emphasis.

Typically offered in Fall, Spring & Summer.

WOS 310. Feminist Activism. 3 Credits.

Although often misrepresented or ignored, women were and continue to be active in a wide range of social justice movements. This course focuses specifically upon women activists in the United States and their resistance to structural inequalities based upon gender. In addition to social justice movements focused on sexism, this course uses intersectional theory to recognize the feminist value of women who work against racial, economic, sexual, and other oppressions.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall, Spring & Summer.

WOS 410. Feminist Research Methodologies. 3 Credits.

This course examines feminist critiques of and approaches to various research methodologies. Students will focus on how feminist scholars challenge dominant theories of knowledge and the major methodologies employed in the social sciences and humanities, such as interview, ethnography, grounded theory, participatory research, archival research, and oral history. Students will discuss how research is shaped by the kinds of research questions they ask and the types of materials they use. The course also gives them the opportunity to develop a research proposal, including selecting method(s) of their own interest. The following questions are central to the course: Do feminist methods exist? What counts as evidence? How does feminist research approach issues of objectivity and subjectivity? What is the relationship between the researcher and subject? What key questions guide feminist research, and how can they apply those questions to a variety of research topics?

Pre / Co requisites: WOS 410 requires a prerequisite of WOS 405.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Spring.

WRH

WRH 205. Composing Cyberspace. 3 Credits.

Students compose websites and blogs and examine the unique intersection of visual and verbal rhetoric that informs composition in cyberspace.

Gen Ed Attribute: Writing Emphasis.

WRH 210. Multicultural Writing. 3 Credits.

This course focuses on understanding the role that writing plays in shaping a multicultural society. Assignments will ask students to write for diverse social contexts and will help students expand their repertoire of genres and writing strategies.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

WRH 225. Introduction to Professional and Technical Writing. 3 Credits.

This course will introduce students to professional and technical writing as an area of scholarly inquiry and as a professional practice. To these ends, they will be required to read scholarship in and about professional writing and do the kinds of activities that professional writers do: engage a range of technologies, work collaboratively with others, develop a range of written materials, and practice problem solving.

Gen Ed Attribute: Writing Emphasis.

Distance education offering may be available.

Typically offered in Fall & Summer.

WRH 301. The Rhetorics of Black Americans. 3 Credits.

This course views the language of Black America as a form of cultural expression and means of resistance to oppression in the U.S. Using historical and thematic frames, students will relate their understandings of Black linguistic and rhetorical practices to Black folks' experiences and struggles for improved social, political, and material realities.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Fall & Spring.

WRH 305. Images of School in Film. 3 Credits.

This course reflects on schooling as a shared experience, helping students develop a stronger sense of what functions schools should be expected to perform in society. Using theoretical readings and films, students will develop an intellectual.

Gen Ed Attribute: Writing Emphasis.

WRH 320. Writing for the Web. 3 Credits.

This course will help students gain experience with digital composition and understand the rhetorical and cultural factors shaping online writing.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

WRH 333. African American Autobiography. 3 Credits.

This course is an introduction to textual analysis through the study of African American autobiography, from slave narratives such as Frederick Douglass's 1845 Narrative, to late twentieth century memoirs such as Audre Lorde's *Zami* and Barack Obama's *Dreams from My Father*. Students will investigate "African American" as a category for literary criticism and engage how the genre has both contested racist oppression from slavery to the present day and responded to the pressures of representing race. Students will further examine the styles and structures of self-expression within black-authored memoirs and what effect such texts have on understandings of race in historical and literary contexts. Students are urged to develop critical, academic language that both speaks and acts to address racism. This course will also support students' development of skills as literary scholars to embolden them to read actively, write probingly, and act courageously.

Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

Typically offered in Fall & Spring.

WRH 350. Grant and Proposal Writing. 3 Credits.

This course explores proposals and grant proposals--a genre written by academics as well as nonprofit and for-profit organizations--as a complex rhetorical endeavor. Students will examine how grant proposals can support organizational and individual goals of community and civic engagement and trace the functions of grant proposals within organizations, analyzing how these documents fit within the larger scope of professional and academic writing.

Pre / Co requisites: WRH 350 requires completion of general education English Composition requirements.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall, Spring & Summer.

WRH 360. Social Media Writing. 3 Credits.

This course introduces students to the theory and practice of professional writing for social media. Although students likely have prior experience with social media platforms as an individual, writing with the voice of a business, nonprofit, or even student organization on social media is an entirely different and sometimes difficult matter. This course will instruct students in drafting and updating social media strategies and internal social media policies. The course will also offer practical experience in running organizational social media accounts. In addition to formal writing assignments, students will also have informal writing opportunities to help develop their understanding of how people write professionally about and with social media.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Fall & Spring.

WRH 365. Writing for the Health Professions. 3 Credits.

Practice and training in writing for the health professions (e.g., medicine, nursing, dentistry, public health, healthcare advocacy). Students complete assignments that offer practice in writing, revising, and critiquing common genres in the healthcare professions, including graduate school application materials, literature reviews, and public health campaigns.

Gen Ed Attribute: Writing Emphasis.

Typically offered in Spring.