

**Descriptions — Geology  
of  
Courses**

**870. Topics in Geophysics**

Spring. 1 to 3 credits. May re-enroll for a maximum of 12 credits. Approval of department.

Topics and problems in geophysics, such as tectonophysics, terrestrial heat flow, processing and analysis of geophysical data, geomagnetism, paleomagnetism, high-pressure geophysics.

**872. Exploratory Seismology**

Fall of even-numbered years. 4(2-4) 474.

Theory and technique of field seismic exploration methods. An associated geophysical survey will be conducted and a report prepared.

**873. Seismology I**

Winter of odd-numbered years. 3(3-0) MTH 215 or concurrently; PHY 289 or concurrently.

Theory and application of seismic wave propagation in earth materials.

**874. Seismology II**

Spring of odd-numbered years. 3(3-0) 873 or approval of department. Continuation of 873.

**875. Advanced Geophysical Exploration I**

Fall of odd-numbered years. 4(3-2) 474.

Theory and technique of gravity and magnetic methods, and their use in geophysical exploration. Associated practical exercises and laboratory work.

**876. Advanced Geophysical Exploration II**

Winter of even-numbered years. 4(3-2) 474, MTH 214.

Methods and techniques in geophysical exploration, including electrical, electromagnetic, radioactivity, magnetotelluric, and the physical principles of well logging. Associated practical exercises.

**879. Rock Magnetism and Paleomagnetism**

Spring of even-numbered years. 3(3-0) 321, 475, one year mathematics, one year physics; or engineering or physics majors.

Geomagnetism, and application to earth science. Character and history of the Earth's magnetic field, physics of remanent magnetism, magnetic properties of minerals and rocks, paleomagnetism, experimental results and procedures.

**884. Regional Petroleum Geology**

Spring of odd-numbered years. 3(3-0) Approval of department.

Regional study of tectonics, stratigraphy and sedimentation in the U.S. and their relationship to petroleum occurrences in sedimentary basins. Analysis of petroleum distribution with emphasis on creative thinking in petroleum exploration. Practice in the analysis of petroleum possibilities in selected foreign areas.

**891. Advanced Sedimentology**

**A. RECENT DEVELOPMENTS IN SEDIMENTOLOGY**

(864.) Spring. 3(2-4) May re-enroll for a maximum of 12 credits. 493, approval of department.

New techniques for study of sediments and sedimentary rocks. Discussion of significant new findings and applications of sedimentology.

**B. QUANTITATIVE ANALYSIS OF SEDIMENTS**

(864.) Spring. 3(2-4) May re-enroll for a maximum of 12 credits. 493, approval of department.

Representation and analysis of sediment variation from microscale to regional scale. Definition of efficient empirical variables. Role of mathematical and stochastic models.

**C. ENVIRONMENTAL SEDIMENTOLOGY**

(864.) Spring. 3(2-4) May re-enroll for a maximum of 12 credits. 493, approval of department.

Determination of rates of sediment erosion, transport, and deposition. Partitioning of deposited sediment with regard to sources. Sediment as a biologic substrate.

**D. ANALYSIS OF DEPOSITIONAL ENVIRONMENTS**

(864.) Spring. 3(2-4) May re-enroll for a maximum of 12 credits. 493, approval of department.

Depositional processes, common depositional environments, migration of environments, environmental interpretations of three dimensional patterns of variation in sedimentary rocks.

**893. Carbonate Sedimentation**

Fall of odd-numbered years. 3(2-2) Approval of department.

Genesis of carbonate sediments including carbonate-secreting organisms, effect of environment on mineralogy, depositional environments, and the dolomite problem. Field trips.

**895. Topics in Geochemistry**

**A. THERMODYNAMICS IN GEOLOGY**

Fall. 1 to 3 credits. May re-enroll for a maximum of 12 credits. 462, 495.

Interpretation and prediction of natural mineral assemblages from thermochemical studies. High pressure and high temperature techniques in petrology. Phase equilibria studies and diffusion phenomena in natural systems.

**B. AQUEOUS GEOCHEMISTRY**

Fall. 1 to 3 credits. May re-enroll for a maximum of 12 credits. 462, 495.

Ideal and non-ideal solutions, ion activities in natural waters, carbonate sedimentation, evaporite deposits, colloids, chemical weathering and diagenesis. Importance of organic species in natural waters and their effect in metal complexing. Redox reactions.

**C. ANALYTICAL GEOCHEMISTRY**

Fall. 1 to 3 credits. May re-enroll for a maximum of 12 credits. 462, 495.

Instrumental techniques for the analysis of geological materials. Topics on application of X-ray diffraction, X-ray fluorescence, neutron activation analysis, and atomic absorption spectrometry. Recently developed techniques in geochemistry will be discussed.

**897. Isotope Geochemistry**

(892.) Winter of odd-numbered years. 3(3-0) 495 or approval of department.

The abundances of stable and radiogenic nuclides and their variations in nature. Applications to geochronology and petrogenesis. Principles and application of neutron activation analysis to geological problems.

**899. Research**

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

**900. Special Problems**

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

Special problems in hydrogeology, geomorphology and glacial geology, mineralogy and crystallography, petrology, paleontology, structural geology and petrofabrics, stratigraphy, aerogeology, geophysics, economic geology, petroleum geology, sedimentation, and geochemistry.

**999. Research**

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

**Earth Science**

**E S**

**407. Earth Science for Teachers**

(PHS 407.) Fall. 3(3-0) or 4(3-3)

Fundamentals of climatology and its relationship to weathering in rocks; agents of erosion, transportation, and deposition; study of the common minerals; the three classes of rocks, and igneous, sedimentary and metamorphic processes; geomorphic features including glaciers, volcanoes, oceans, lakes, deserts, caves and others. Laboratory includes identification of minerals, rocks; study of topographic maps; and field trips to points of geologic interest.

**410. Earth Science Seminar for Teachers**

Fall. 1(2-0) May re-enroll for a maximum of 4 credits. One earth science subject matter course or concurrently.

Earth science subject matter areas will be inter-related through student presentation and discussion and their interdisciplinary significance developed.

**445. Field Studies**

Fall, Winter, Spring, Summer. 1 to 9 credits. May re-enroll for a maximum of 15 credits. Approval of department.

Experience and techniques in field investigation of the near surface layers of the earth.

**446. Laboratory Investigations**

Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 15 credits. 445 or concurrently.

Independent laboratory investigation of materials and phenomena obtained from field studies.

**GERMAN AND RUSSIAN**

**College of Arts and Letters**

Students who have had high school work in the foreign language in which they wish to continue their studies must take a placement examination in that language. Placement in the appropriate course is determined by the results of this examination. University credit is not given for courses waived by performance on the placement examination.

**German and Russian Courses**

**G R**

**303. Folklore**

Spring. 3(3-0)

Folk heritage of peoples as revealed in their legends, superstitions, ballads, folksongs, hero tales, sayings, customs, and beliefs. Historical development of traditional lore as a reflection of social attitudes and the source for national mythologies.

**417. Scandinavian Contributions to Literary Tradition**

Fall. 3(3-0) Approval of department. Interdepartmental with the departments of English and Romance Languages.

Development and influence of the ideas, forms and motifs of the Scandinavian literatures in the literatures of the world.

**418. Scandinavian Contributions to Literary Tradition**

Winter. 3(3-0) Approval of department. Interdepartmental with the departments of English and Romance Languages.

Continuation of 417.

**419. Scandinavian Contributions to Literary Tradition**  
Spring. 3(3-0) Approval of department. Interdepartmental with the departments of English and Romance Languages.  
Continuation of 418.

**825. Comparative Literature: Studies in Theme and Idea**  
Fall. 3(3-0) May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of Romance Languages and English and administered by the Romance Languages Department.  
Myths, archetypes, *Topoi*, significant ideas and intellectual currents in different periods and cultural traditions.

**856. Comparative Literature: Literature and Other Disciplines**  
Winter. 3(3-0) May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of Romance Languages and English and administered by the Romance Languages Department.  
Relations between literature and the sciences and other arts; social, historical, psychological, philosophical bases of literary study.

**878. Comparative Literature: Methods in the Study of Comparative Literature**  
Fall. 3(3-0) Interdepartmental with the English and Romance Languages Departments and administered by the English Department.  
Rationale and techniques of study in comparative literature.

**902. Comparative Literature: Studies in Form and Genre**  
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Interdepartmental with the English and Romance Languages Departments and administered by the English Department.  
Development and interrelationships of individual and collective forms and genres of literatures of the Western world, including the drama, tragedy, the novel, the short story, the theory and forms of poetry, popular literature, and the tale.

**903. Comparative Literature: Studies in Periodization**  
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Interdepartmental with the English and Romance Languages Departments and administered by the English Department.  
Analyses of the manner in which various genres, conventions and continuing traditions of literature interact with the creative and critical climates of particular periods and movements, such as classicism, the Middle Ages, the baroque, or romanticism, in qualifying or modifying characteristic literary works.

**987. Seminar: Special Topics in Comparative Literature**  
Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Advanced graduates. Interdepartmental with the departments of Romance Languages and English and administered by the Romance Languages Department.

**102. Elementary German**  
Fall, Winter, Spring, Summer. 5(5-0)  
101.  
Continuation of 101.

**103. Elementary German**  
Fall, Winter, Spring, Summer. 5(5-0)  
102.  
Continuation of 102.

**201. Intermediate German**  
Fall, Winter, Spring, Summer. 4(3-1)  
103.  
Systematic review of grammar, oral practice, intensive and extensive reading of modern texts. This course or equivalent is required of majors and those planning to take advanced work in German.

**202. Intermediate German**  
Fall, Winter, Spring, Summer. 4(3-1)  
201.  
Continuation of 201.

**203. Intermediate German**  
Fall, Winter, Spring, Summer. 4(3-1)  
202.  
Continuation of 202.

**241. German Literature in English Translation**  
(341.) Fall. 3(3-0) Knowledge of German not required. Not applicable to major requirements.  
Selections from narrative prose, drama, and lyric poetry chosen to encourage and develop an appreciation of German literature.

**242. German Literature in English Translation**  
(342.) Winter. 3(3-0) Knowledge of German not required. Not applicable to major requirements.  
Continuation of 241.

**243. German Literature in English Translation**  
(343.) Spring. 3(3-0) Knowledge of German not required. Not applicable to major requirements.  
Continuation of 242.

**299. Special Projects**  
(G R 299.) Fall, Winter, Spring, Summer. 1 to 12 credits. May re-enroll for a maximum of 12 credits. Approval of department.  
Work in areas outside regular course offerings.

**301. Introduction to German Literature**  
Fall. 3(3-0) 203. Required of majors.  
Representative works of eighteenth and early nineteenth century authors.

**302. Introduction to German Literature**  
Winter. 3(3-0) 301.  
Representative works of nineteenth century authors.

**303. Introduction to German Literature**  
Spring. 3(3-0) 302.  
Representative works of twentieth century authors.

**321. German Composition and Conversation**  
Fall. 3(3-0) 203.  
Essential and difficult points of grammar reviewed. Written and oral reports; active participation in class discussion. Designed especially for students who plan to teach German.

**322. German Composition and Conversation**  
Winter. 3(3-0) 321.  
Continuation of 321.

**323. German Composition and Conversation**  
Spring. 3(3-0) 322.  
Continuation of 322.

**325. German Civilization and Culture**  
Fall. 3(3-0) 203 or approval of department. A third year sequence for students not primarily interested in literature.  
The cultural heritage of the German peoples. Readings and discussions in German based upon texts from history, the arts, philosophy, psychology, etc., from 1850 to World War I.

**326. German Civilization and Culture**  
Winter. 3(3-0) 203 or approval of department. A third year sequence for students not primarily interested in literature.  
The cultural heritage of the German peoples. Readings and discussions in German based upon selected non-literary texts from 1918-1945.

**327. German Civilization and Culture**  
Spring. 3(3-0) 203 or approval of department. A third year sequence for students not primarily interested in literature.  
The cultural heritage of the German peoples. Readings and discussions in German based upon selected non-literary texts since World War II.

**400H. Honors Work**  
Fall, Winter, Spring. Variable credit.  
Approval of department.

**405. Schiller**  
Fall. 3(3-0) 303 or approval of department.  
Principal works of Schiller.

**406. Goethe**  
Winter. 3(3-0) 303 or approval of department.  
Principal works of Goethe.

**407. Goethe: Faust**  
Spring. 3(3-0) 303 or approval of department.  
Goethe: Faust I and II.

**410. German Reading Skills**  
Fall, Winter, Spring, Summer. 5(5-0)  
101 or graduate students or approval of department.  
Designed for those in scientific or other fields who wish to be able to read scholarly material. An intensive presentation of German grammar with emphasis on those features and techniques necessary for reading and translation.

**411. German Reading Skills**  
Fall, Winter, Spring, Summer. 5(5-0)  
103 or 410 and approval of department.  
Reading and translation of works in the student's field of interest. Completion of 410 and 411 with 3.0 or better will satisfy the Ph.D. reading requirement in most departments.

**421. Advanced German Composition and Conversation**  
Fall. 3(3-0) 323.  
Continuation of 323.

**422. Advanced German Composition and Conversation**  
Winter. 3(3-0) 421 or approval of department.  
Continuation of 421.

**423. Advanced German Composition and Conversation**  
Spring. 3(3-0) 422 or approval of department.  
Continuation of 422.

**German**

**GRM**

**101. Elementary German**  
Fall, Winter, Spring, Summer. 5(5-0)  
German language, civilization, and culture. Development of language skills in contemporary German. Independent practice in the language laboratory.

**Descriptions — German and Russian  
of  
Courses**

**427. The Contemporary German Scene**  
Spring. 3(3-0) 303 or approval of department.

The literary, artistic, intellectual, social, religious, economic, and political scene in present-day Germany with a study of its development from the recent past.

**432. Mythology and Folklore**  
(832.) Fall of even-numbered years. 3(3-0)

Mythology and folkloristic elements in Germanic epics and sagas.

**434. Contrastive Structures of English and German**  
Fall. 3(3-0)

Linguistic analysis of the structures of English and German. Recommended for those intending to teach German.

**435. History of the German Language**  
Winter. 3(3-0) 434 or LIN 401.

Survey of the development of Modern Standard German and its relationship to other Indo-European and Germanic languages.

**438. German Poetry**  
(838.) Spring of even-numbered years. 3(3-0)

Development of representative German lyric poetry based upon its intrinsic characteristics.

**441. Studies in German Literature Before 1700**  
Fall of odd-numbered years. 3(3-0) 303 or approval of department.

**442. Pre-Classicism and Sturm und Drang**  
Winter of even-numbered years. 3(3-0) 303 or approval of department.  
Continuation of 441.

**444. Nineteenth Century Prose**  
Fall of even-numbered years. 3(3-0) 303 or approval of department.

**445. Nineteenth Century Drama**  
Winter of odd-numbered years. 3(3-0) 303 or approval of department.  
Continuation of 444.

**446. Modern German Literature**  
Spring of odd-numbered years. 3(3-0) 303 or approval of department.  
Representative works by major German authors from 1900 to the present.

**499. Special Projects**  
(G R 499.) Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.  
Work in areas outside regular course offerings.

**801. Introduction to Graduate Study**  
Fall of odd-numbered years. 3(3-0)  
A proseminar on the terminology and methods of literary criticism, and the bibliographical aids for literary and pedagogical research.

**803. History of Literary Criticism**  
Fall of even-numbered years. 3(3-0)  
Important critical theorists from Aristotle to the present and their impact on German literature.

**806. Teaching of the German Language**  
Fall, Winter, Spring. 1(1-0) May re-enroll for a maximum of 3 credits. Graduate teaching assistants.

Problems of teaching German languages at the elementary and intermediate levels including such matters as textbook selection, teaching techniques and the preparation of examinations.

**815. Middle High German Language**  
Fall of even-numbered years. 3(3-0)  
Readings from the German language between 1050 and 1350, with emphasis upon the epic and lyric of the Classical period.

**816. Old High German Language and Literature**  
Spring of even-numbered years. 3(3-0) 815 or approval of department.

German language from the beginnings to about 1050; reading and analysis of sections from Tatian, Isidor, Notker, Otfrid, Hildebrandslied, and other documents.

**818. Middle High German Literature**  
Winter of odd-numbered years. 3(3-0)  
Readings in Middle High German from the Court poets to Wernher der Gartner.

**819. From Mysticism to Baroque**  
Winter of even-numbered years. 3(3-0)  
Rise of the Humanists; Ackermann aus Bohmen through Hutton, Luther, Sachs, etc.

**820. Baroque Literature**  
Spring of odd-numbered years. 3(3-0)  
Authors and masterpieces of seventeenth century German literature.

**824. Eighteenth Century Literature**  
Fall of even-numbered years. 3(3-0)  
Development of German literature from 1700 to 1770 with special emphasis on Lessing and Wieland.

**826. German Classicism**  
Winter of odd-numbered years. 3(3-0)  
Major works of Schiller and Goethe.

**827. Goethe's Intellectual Development**  
Spring of even-numbered years. 3(3-0)  
An examination of Goethe's thought in relation to his major works.

**830. Romanticism**  
Spring of odd-numbered years. 3(3-0)  
Representative works and writers of the period.

**834. Nineteenth Century Literature**  
Fall of odd-numbered years. 3(3-0)  
Representative literary masterpieces from Romanticism to Naturalism.

**836. Twentieth Century Literature**  
Winter of even-numbered years. 3(3-0)  
Representative works of drama, prose and lyric poetry from Naturalism to World War II.

**837. Contemporary Literature**  
Spring of even-numbered years. 3(3-0)  
Selections from German literature since 1945.

**841. Old Norse**  
Spring of odd-numbered years. 3(3-0) Approval of department.  
Readings from Old Norse poetry and prose.

**842. Gothic**  
Winter of odd-numbered years, Summer. 3(3-0) Approval of department.  
Gothic in relation to other Indo-European and Germanic languages, reading and analysis of the fourth century Gothic Bible.

**843. Old Saxon**  
Winter of even-numbered years, Summer. 3(3-0) 815.  
Reading and analysis of the ninth century Low German *Heiland* and *Genesis*.

**860. Graduate Reading Course**  
Fall, Winter, Spring, Summer. 1 to 5 credits. May re-enroll for a maximum of 15 credits. Approval of department.  
Supervised reading course for investigation of special fields.

**899. Research**  
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

**981. Seminar**  
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 18 credits.  
A particular writer, a major work, or a limited theme is chosen for intensive analysis.

**999. Research**  
Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 36 credits.

**Russian RUS**

**101. Elementary Russian**  
Fall, Winter, Spring, Summer. 5(5-0)  
Fundamentals of grammar, syntax, and pronunciation with graded readings.

**102. Elementary Russian**  
Fall, Winter, Spring, Summer. 5(5-0) 101.  
Continuation of 101.

**103. Elementary Russian**  
Fall, Winter, Spring, Summer. 5(5-0) 102.  
Continuation of 102.

**201. Intermediate Russian**  
Fall, Winter, Spring. 4(3-1) 103.  
Systematic review of grammar, oral practice, intensive and extensive reading of modern texts. This course or equivalent is required of majors and those planning to take advanced work in Russian.

**202. Intermediate Russian**  
Fall, Winter, Spring. 4(3-1) 201.  
Continuation of 201.

**203. Intermediate Russian**  
Fall, Winter, Spring. 4(3-1) 202.  
Continuation of 202.

**241. Russian Literature in Translation, 1800-1865**  
Fall. 3(3-0) Knowledge of Russian not required.  
Pushkin, Lermontov, Gogol', Goncharov, Turgenev, the early Dostoevsky and other representative writers of the period.

**242. Russian Literature in Translation, 1865-1917**  
Winter. 3(3-0) Knowledge of Russian not required.  
Dostoevsky, Tolstoy, Leskov, Chekhov, Gorky, Sologub, and other representative writers of the period.

**243. Russian Literature in Translation since 1917**  
Spring. 3(3-0) Knowledge of Russian not required.  
Zamyatin, Olesha, Zoshchenko, Il'f and Petrov, Mayakovsky Sholokhov, Pasternak, Solzhenitsyn and other representative writers of the period.

- 299. Special Projects**  
(GR 299.) Fall, Winter, Spring, Summer. 1 to 12 credits. May re-enroll for a maximum of 12 credits. Approval of department.  
Work in areas outside regular course offerings.
- 301. Introduction to Russian Literature**  
Fall. 3(3-0) 203 or approval of department.  
Selections from representative works of major Russian authors, with concentration on the nineteenth century. Familiarization with essential Russian literary terminology.
- 302. Introduction to Russian Literature**  
Winter. 3(3-0) 301.  
Continuation of 301.
- 303. Introduction to Russian Literature**  
Spring. 3(3-0) 302.  
Continuation of 302.
- 321. Advanced Composition and Conversation**  
Fall. 3(3-0) 203.  
Review of finer points of grammar. Oral reports, tape recordings, intensive class discussion. Written exercises, translations into Russian, compositions.
- 322. Advanced Composition and Conversation**  
Winter. 3(3-0) 321.  
Continuation of 321.
- 323. Advanced Composition and Conversation**  
Spring. 3(3-0) 322.  
Continuation of 322.
- 325. Russian Civilization and Culture**  
Fall. 3(3-0) 203.  
Cultural heritage of the Russian people. Readings on history, geography, the arts, religion, ideologies.
- 326. Russian Civilization and Culture**  
Winter. 3(3-0) 203.  
Continuation of 325.
- 327. Russian Civilization and Culture**  
Spring. 3(3-0) 203.  
Continuation of 326.
- 400H. Honors Work**  
Fall, Winter, Spring. Variable credit. Approval of department.
- 401. Russian Literature Before 1917**  
Fall of odd-numbered years. 3(3-0) 303 or 327.  
Major literary movements, authors, and works from the Kievan time to 1917.
- 402. Russian Literature Before 1917**  
Winter of even-numbered years. 3(3-0) 401.  
Continuation of 401.
- 403. Russian Literature Before 1917**  
Spring of even-numbered years. 3(3-0) 402.  
Continuation of 402.
- 410. Russian Reading Skills**  
Fall, Winter, Spring, Summer. 5(5-0) 101 or graduate students or approval of department.  
Designed for those in scientific or other fields who wish to be able to read scholarly material. An intensive presentation of Russian grammar with emphasis on those features and techniques necessary for reading and translation.
- 411. Russian Reading Skills**  
Fall, Winter, Spring, Summer. 5(5-0) 103 or 410 and approval of department.  
Reading and translation of works in the student's field of interest. Completion of 410 and 411 with 3.0 or better will satisfy the Ph.D. reading requirement in most departments.
- 425. Contemporary Russian Literary Language**  
Fall. 3(3-0) 323.  
Description and analysis of contemporary Russian literary language, its phonology, morphology and syntax. Designed especially for future teachers of Russian.
- 426. Contemporary Russian Literary Language**  
Winter. 3(3-0) 425 or approval of department.  
Continuation of 425.
- 427. Contemporary Russian Literary Language**  
Spring. 3(3-0) 426 or approval of department.  
Continuation of 426.
- 431. Russian Literature Since 1917**  
Fall of even-numbered years. 3(3-0) 303 or 326.  
Literary schools and authors in Russia after 1917. Readings in the works of Gorky, Mayakovsky, Alexei Tolstoy, Sholokhov, Pasternak and others.
- 432. Russian Literature Since 1917**  
Winter of odd-numbered years. 3(3-0) 303 or 326.  
Continuation of 431.
- 433. Russian Literature Since 1917**  
Spring. 3(3-0) 303 or 326.  
Continuation of 432.
- 453. Introduction to Non-Russian Slavic Languages**  
Spring of even-numbered years. 3(3-0) 452.  
Continuation of 452.
- 499. Special Projects**  
(GR 499.) Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.  
Work in areas outside regular course offerings.
- 800. Teaching Methods of Russian in College**  
Fall, Winter, Spring. 0 to 3 credits. Graduate teaching assistant.  
Supervised teaching of college classes in Russian.
- 801. Slavic Bibliography and Research Methods**  
Fall of odd-numbered years. 3(3-0)  
Bibliographies of Slavic literature and languages. The library and the utilization of its resources. Principles of bibliographic compilation and research techniques in Russian Literature and linguistics.
- 815. Russian Literature Before 1800**  
Fall of even-numbered years. 3(3-0)  
Origin and development of Russian literature up to 1800. Emphasis on major works and authors of the period.
- 817. Nineteenth Century Russian Prose I**  
Fall of odd-numbered years. 3(3-0)  
Pushkin and Chekhov's search for a modern literary expression.
- 818. Nineteenth Century Russian Prose II**  
Winter of even-numbered years. 3(3-0)  
Gogol and Turgenev: a study of contrasting techniques and temperaments.
- 819. Nineteenth Century Russian Prose III**  
Spring of even-numbered years. 3(3-0)  
Tolstoy and Dostoevsky: two canons of aesthetics and ethics developed through the genre of the novel.
- 828. Introduction to Old Church Slavic**  
Fall of even-numbered years. 3(3-0)  
Basic knowledge of Russian or another Slavic language.  
Grammatical structure of the first written Slavic language accompanied by readings from the canonical Old Church Slavic texts.
- 829. Development of Old Church Slavic and Russian**  
Winter of odd-numbered years. 3(3-0) 828.  
Historical phonology and morphology of Old Church Slavic compared to that of Russian. The relation of both languages to Proto-Slavic and Proto-Indo-European. Readings of selected Old Church Slavic and Old Russian texts.
- 830. Development of Modern Slavic Languages**  
Spring of odd-numbered years. 3(3-0) 829.  
A survey of the principal modern Slavic languages in historical perspective. The development of their phonological and grammatical features from Proto-Slavic and in relation to Old Church Slavic.
- 832. Russian Drama Before 1859**  
Winter of odd-numbered years. 3(3-0)  
Origin and development of Russian drama. Analysis of major plays by Fonvizin, Griboyedov, Pushkin, Lermontov and Gogol.
- 833. Russian Drama, 1859-1917**  
Spring of odd-numbered years. 3(3-0)  
Analysis of major plays by Ostrovsky, Turgenev, Tolstoy, Chekhov, and Gorky.
- 835. Russian Poetics**  
Fall of odd-numbered years. 3(3-0)  
The development of literary genres, prosody, and versification.
- 836. Nineteenth Century Russian Poetry**  
Winter of even-numbered years. 3(3-0) 835 or approval of department.  
Trends and styles in 19th century Russian poetry up to 1890. Emphasis on major poetry by Zhukovsky, Batyushkov, Pushkin, Baratynsky, Yazykov, Tyutchev, Lermontov, Tolstoy, Fet, Nekrasov, and Solovyev.
- 837. Twentieth Century Russian Poetry**  
Spring of even-numbered years. 3(3-0) 836 or approval of department.  
Theory and practice of the Symbolists, Acmeists, Futurists and the Social Realists.
- 850. Russian Literary Criticism, 19th Century**  
Fall of even-numbered years. 3(3-0)  
The beginnings, the "Golden Age", and the radical critics.
- 851. Russian Literary Criticism, 20th Century**  
Winter of odd-numbered years. 3(3-0)  
Aestheticism, Transcendentalism and Socialist Realism.

**Descriptions — German and Russian  
of  
Courses**

**854. Russian Phonology and Morphology**  
*Winter of even-numbered years. 3(3-0)*  
LIN 401.

Linguistic description of the phonological and morphological structure of Modern Russian: phonemes and their allophones; morphological classes; morphophonemics.

**855. Russian Syntax**  
*Spring of even-numbered years. 3(3-0)*  
854.

Survey of syntactic phenomena in modern Russian. Basic clause, phrase, and sentence structures and their interrelations. Syntactic classes and their membership. The functions of Russian cases.

**856. Twentieth Century Russian Prose I**  
*Winter of even-numbered years. 3(3-0)*

Modernistic trends in Russian prose before 1917.

**857. Twentieth Century Russian Prose II**  
*Spring of even-numbered years. 3(3-0)*

Selected works by Bunin, Pasternak and Sholokhov.

**858. Twentieth Century Russian Prose III**  
*Winter of odd-numbered years. 3(3-0)*

Selected works by Solzhenitsyn, Terz and Nabokov.

**859. Twentieth Century Russian Prose IV**  
*Spring of odd-numbered years. 3(3-0)*

"Samizdat" works of Russian dissident writers.

**860. Graduate Reading Course**  
*Fall, Winter, Spring. 1 to 5 credits.*  
*May re-enroll for a maximum of 15 credits.*  
*Approval of department.*

Supervised reading course for investigation of special fields in Russian literature.

**899. Research**  
*Fall, Winter, Spring. Variable credit.*  
*Approval of department.*

**981. Seminar in Slavic Studies**  
*Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 18 credits.*

A particular writer, a major work, or a limited theme is chosen for intensive analysis.

**999. Research**  
*Fall, Winter, Spring, Summer. Variable credits. May re-enroll for a maximum of 36 credits.*

**HEALTH, PHYSICAL  
EDUCATION AND  
RECREATION**

**HPR**

**College of Education**

**Instructional Courses**

The program in physical education is designed to offer the student an opportunity to test and evaluate himself physically and, during his first term at the University, be guided in his choice toward activities in which he may achieve some measure of success, add to his physical well-being and develop a reasonable amount of skill which may promote participation in healthful activities throughout his entire life. Classes are offered in the areas of body dynamics; aquatics; individual, dual, and team sports; dance; and gymnastics.

**106. Individual Sports**  
*Fall, Winter, Spring, Summer. 1(0-3)*

Provides opportunities for the student to become adept in one or more activities with high carry-over value, and acquire skills which will be a source of healthful and recreational exercise.

**107. Dual Sports**  
*Fall, Winter, Spring. 1(0-3)*

Includes such activities as tennis, badminton and handball. These activities teach balance, poise, agility, and develop and maintain endurance. Usually more vigorous than individual sports, these activities are of special value to those whose present and future work is sedentary.

**108. Team Sports**  
*Fall, Winter, Spring. 1(0-3)*

This area emphasizes the continued development and improvement in self discipline and cooperation.

**109. Aquatics**  
*Fall, Winter, Spring, Summer. 1(0-3)*

Instruction in aquatics provides for survival, protection and safety, not only of the student, but also of others.

**110. Gymnastics**  
*Fall, Winter, Spring. 1(0-3)*

Contributes to the development of symmetrical, organically sound bodies. Poise, grace, flexibility and a better understanding of the healthful benefits of regular exercise are emphasized. The many specifics in this area include tumbling, apparatus, and Swedish gymnastics.

**111. Dance**  
*Fall, Winter, Spring. 1(0-3)*

Beginning and intermediate folk, social and square dance techniques.

**Professional Courses**

Health Education—103, 316, 328, 331, 405, 407, 802, 810, 850, 889, 890, 985.

Physical Education—103, 121, 122, 123, 224, 226A, 232, 240, 250, 251, 260, 261, 306, 307, 309, 310, 321A, 321B, 329, 338, 341, 342, 343, 344, 345, 346, 360, 373, 385, 386, 387, 390, 408, 410, 411, 412, 421, 424, 436, 452, 800, 801, 804, 805, 806, 808, 813, 814, 815, 816, 819, 820, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 840, 850, 852, 860, 879, 882, 884, 885, 889, 890, 899, 950, 984, 999.

Recreation Education—201, 300, 303, 370, 400, 401, 402, 403, 404, 418, 422, 445, 471, 803, 850, 889, 890.

**103. Personal Health**  
*Fall, Winter, Spring. 3(3-0)*

Development of understandings, attitudes and practices that are necessary for more healthful living. Provides background for teaching health to children.

**121. Professional Perspectives**  
*Fall, Winter. 1(0-3)*

Introduction to Physical Education including: interpretation of curriculum, major and minor; explanation of aims and objectives; professionalism; problems peculiar to the field; and discussion of job opportunities.

**122. Movement Perspectives**  
*Winter, Spring. 1(2-0) 121 or concurrently.*

Introduction to human movement or physical activity, kinesiological principles, analysis of fundamentals of conditioning, balance, work patterns, locomotor patterns, motor learning, throwing, spinning and twisting, and swimming.

**123. Teaching Perspectives**  
*Spring. 1(0-3) 122.*

Teaching physical education, focusing on developing abilities to analyze skills, understand individual differences in skill development through teaching individuals in a physical education class situation.

**201. Social Recreation and Game Leadership**  
*Spring. 3(2-3) Sophomores.*

Methods, materials, and practice in conducting party programs, indoor games, and celebrations for large and small groups. Games using special equipment commonly employed in resorts and community centers.

**211. Dance**  
*Fall, Winter, Spring. 2(0-6) Approval of department for Level II and higher.*  
Gradation levels of ballet, modern, and jazz dance.

**224. Swimming**  
*Winter. 2(1-3) 109; approval of department.*

Advanced techniques, planning competitive events, conditioning, training, and coaching. The care and maintenance of swimming pool operations.

**226A. Physical Education in the Elementary School**  
*Fall. 3(2-3) Sophomores.*

Curriculum, skills, games, and rhythms.

**232. Rhythmic Form and Analysis**  
*Fall. 2(1-3)*

Fundamental rhythms and application to movement and accompaniment. Rhythmic studies and rhythmic approach to composition.

**240. Measurement in Physical Education**  
*Fall, Winter. 3(2-3) PSL 240.*

The basis of measurement techniques for use in school physical education programs.

**250. Mechanical Analysis of Physical Activity**  
*Winter, Spring. 3(2-3) Concurrently with 251; ANT 316.*

Techniques of analysis of human movement based upon mechanical principles.

**251. Structural Analysis of Physical Activity**  
*Winter, Spring. 3(2-3) Concurrently with 250; ANT 316.*

Techniques of the analysis of human movement based on body structure and muscular action.

**GREEK**

See Romance Languages