

Romance Languages—ROM

991D Topics in the Literature of Africa and the African Diaspora
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with English; Linguistics and Languages. Administered by Department of English.

Authors, movements, and cultures of the literature of Africa and the African diaspora.

RUSSIAN

Department of Linguistics and Germanic, Slavic, Asian and African Languages College of Arts and Letters

101 Elementary Russian I
Fall. 4(4-1)

Russian language and culture. Development of skills in speaking, reading, listening, and writing.

102 Elementary Russian II
Spring. 4(4-1) P:M: (RUS 101)

Further work on Russian language and culture. Further development of skills in speaking, reading, listening comprehension, and writing.

201 Second-Year Russian I
Fall. 4(4-0) P:M: (RUS 102)

Intermediate-level development of Russian communication skills. Presentation and discussion of original oral and written texts on aspects of Russian life and culture.

202 Second-Year Russian II
Spring. 4(4-0) P:M: (RUS 201)

Further intermediate-level development of Russian communication skills. Further presentation and discussion of original oral and written texts on aspects of Russian life and culture.

211 Second-Year Conversational Russian
Fall, Spring. 2(2-0) A student may earn a maximum of 4 credits in all enrollments for this course. P:M: (RUS 102)

Practice in speaking, listening, and comprehending Russian. Vocabulary-building and development of fluency.

231 19th-Century Russian Literature in Translation
Fall. 3(3-0)

Writings of authors such as Pushkin, Lermontov, Gogol, Turgenyev, Dostoevsky, and Tolstoy as they examine important ethical questions and reflect social and political concerns.

232 20th-Century Russian Literature in Translation
Spring. 3(3-0)

Writings of Chekhov, Bulgakov, Pasternak, Solzhenitsyn and Petrushevskaya as they examine the individual's search for identity in twentieth-century Russian society.

241 Cultural Traditions of Russia
Spring. 3(3-0)

Russian cultural traditions from the ninth century to the present. Russia's unique and enduring contributions in literature, art, music, architecture, and religion to social and private life.

290 Independent Study
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

311 Advanced Russian: Oral Communication (I)
Spring, Summer. 3(3-0) P:M: (RUS 201)

Development of listening comprehension and oral communication in Russian. Expansion of vocabulary, development of fluency, and use of idiomatic expressions. Review of grammatical structures relevant for speaking.

341 Russian Life and Culture of the 20th Century
Summer. 3(3-0) P:M: (RUS 202)

Social, political, intellectual, and artistic life of twentieth-century Russia. Texts read in Russian.

420 Russian Life and Culture Before World War I
Fall. 3(3-0) P:M: (RUS 202)

Advanced Russian language course. Social and cultural developments in Russia before 1914, using primary documents and films. Themes include Russian folk belief, life under the Tsars, the place of minorities in the Russian empire, and gender issues in Russia.

421 Russian Life and Culture in the 20th Century
Spring. 3(3-0) P:M: (RUS 202)

Advanced Russian language course. Social and cultural developments in Russia and the Soviet Union between 1914 and 1991, using primary documents, television shows, and films. Themes include the revolutions of 1917, the rise of Stalin, the Cold War, the place of minorities in the Soviet Union, and the break-up of the Soviet Union.

440 Contemporary Russian Life and Culture (W)
Fall. 3(3-0) P:M: (RUS 202)

Advanced Russian language course. Social and cultural developments in Russia since the break-up of the Soviet Union. Significant internet component. Themes include Russian life today, organized crime and business, conflict in Chechnya, and Russian attitudes toward the United States.

441 Russian Literature (W)
Spring. 3(3-0) P:M: (RUS 202)

Advanced Russian language course. Reading and discussion of key works of Russian literature. Frequent interpretive essays.

490 Independent Study
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

491 Special Topics in Russian Studies
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

Special topics supplementing regular course offerings, proposed by faculty on a group study basis.

493 Overseas Internship
Fall, Spring. 1 to 12 credits. Fall: Soviet Union. Spring: Soviet Union. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: (RUS 102) R: Not open to freshmen or sophomores. Approval of department.

Study of Russian language, culture, and literature at an approved site in the Russia. Exposure to Russian life and current events. Interaction with the Russian people.

499 Senior Thesis Research
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.

An individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.

801 Introduction to Graduate Study
Fall. 3(3-0)

Research techniques and principles of textual analysis as tools for graduate studies. Bibliographic sources.

803 Studies in Translation
Spring of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in Russian. Approval of department.

Structured on two integrated courses: (a) translations of Russian literary/technical texts into English and (b) criticism of literary/technical translations (from Russian into English). Emphasis on the retention of all stylistic and linguistic layers of the original.

804 Topics in the Teaching of Russian
Fall. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.

Methods of Russian language instruction. Current research on the acquisition of Russian.

825 Studies in 20th Century Russian Prose
Fall of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.

Contemporary Russian (Soviet) literature. Russian emigre literature.

830 Studies in Russian Poetry
Fall of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.

Nineteenth and 20th century poets such as Zhukovsky, Batyushkov, Pushkin, Baratynsky, Tyutchev, Lermontov, Fet, and A.K. Tolstoy. Russian Symbolist and Acmeist poetry. Major poets of the Soviet period.

850 Russian Culture, Civilization, and Folklore
Spring of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.

Russian cultural texts in art, architecture, folklore, literature, music, and cinema. Peoples and cultures, inter-ethnic relations, and Russian folklore. Topics vary.

- 890 Independent Study**
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.
- 891 Special Topics in Russian Studies**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Special topics supplementing regular course offerings proposed by faculty on a group study basis for graduate students.
- 898 Master's Research**
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.
Directed research for Plan B master's degree requirements.
- 899 Master's Thesis Research**
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Directed research for Plan A master's degree requirements.
- 990 Doctoral Independent Study**
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Approval of department.
Special projects, directed reading, and research arranged by an individual doctoral student and a faculty member in areas supplementing the regular course offerings.
- 999 Doctoral Dissertation Research**
Fall, Spring, Summer. 1 to 99 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Approval of department.
Doctoral dissertation research.
- 301 Science for Elementary Schools**
Fall, Spring. 3(2-2) RB: Completion of an ISB and ISB laboratory or ISP and ISP laboratory course. Completion of the majority of complementary studies coursework in science and math. R: Open only to students in the Elementary Teacher Education Program. SA: NSC 301
Topics in earth science, life science, and physical science explored through discussion, demonstrations, readings, presentations, and field trips.
- 320 Integrated Science for Elementary Schools**
Spring. 3(2-2) Interdepartmental with Teacher Education. P:M: (SME 120) and (BS 110 or LBS 144 or LBS 148 H or BS 111 or LBS 145 or LBS 149 H or PSL 250 or ZOL 355) and (PHY 231 or PHY 231B or CEM 141 or LBS 171) and (GLG 201 or GEO 203 or AST 207) R: Open only to students in the Integrated Science teaching major. Not open to students with credit in SME 301.
Analysis of the concepts integrating science across life sciences, earth sciences, and physical sciences. Applications to the K-8 science curriculum.
- 340 Science Laboratories for Secondary Schools (W)**
Fall. 4(2-6) P:M: Completion of Tier I writing requirement. R: Open only to seniors in the BA degree in Chemistry, or the BS degree in Biological Science-Interdepartmental or Earth Science-Interdepartmental or General Science-Interdepartmental or Physical Science-Interdepartmental major or their associated LBS majors. SA: NSC 401
Laboratory equipment, supplies, demonstrations, exercises, and safety. Care of live organisms. Disposal of biological and chemical wastes. Field trips required.
- 420 Integrated Science Research for Elementary Schools**
Fall. 3(2-2) Interdepartmental with Teacher Education. P:M: (SME 320) and (STT 200 or STT 201) R: Open only to students in the Integrated Science teaching major.
Research design and data analysis of individual research projects relevant to the K-8 science curriculum, integrating topics in life, earth, and physical science.
- 490 Special Problems**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of college.
Faculty directed individualized study of an interdisciplinary problem.
- 600 Special Problems for K-8 Teachers**
Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 10 credits in all enrollments for this course. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 600
Supervised study of problems in biological, physical, or earth sciences.
- 630 Bridges to Science**
Summer. 1 credit. A student may earn a maximum of 3 credits in all enrollments for this course. RB: (NSC 301) SA: NSC 630
Scientific principles and concepts in integrative life, earth, and physical science.
- 651 Physical Science I**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 651
The nature of matter and energy including energy transfer, density, and conservation of mass. Properties of elements, mixtures, and compounds.
- 652 Physical Science II**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 652
Electricity and magnetism, force and motion, heat and temperature, sound, and light.
- 653 Earth Science I**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 653
The solar system, including the sun, planets, earth, and its moon. Weather and the water cycle.
- 654 Earth Science II**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 654
Rocks, minerals, and fossils and the physical and geological processes that form them.
- 655 Life Science I**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 655
Structure, function, genetics, and classification of organisms, including protists, plants, animals, and decomposers.
- 656 Life Science II**
Summer. 2 credits. RB: Elementary teacher certification, 3 years teaching experience. R: Approval of college. SA: NSC 656
Interrelationships among and between organisms and their surroundings. Ecosystems, habitats, food chains, cycles, and pollution.
- 800 Problems in Biological or Physical Science for Teachers**
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 8 credits in all enrollments for this course. RB: Teacher Certification required. R: Approval of college. SA: NSC 800
Supervised study of problems in biological or physical science.
- 850 Cell and Molecular Biology**
Summer. 2 credits. RB: Secondary certification in biology, 3 years teaching experience. R: Approval of college. SA: NSC 850
Molecular basis of structure and function of cells. Protein structure and function, cell physiology, metabolic energy and transmission of genetic information.
- 851 Cell and Molecular Biology Laboratory**
Summer. 3 credits. RB: Secondary certification in biology; 3 years teaching experience. R: Approval of college. SA: NSC 851
Generation of laboratory exercises appropriate for secondary students.
- 852 Interdisciplinary Seminar in Biological Science**
Fall, Spring, Summer. 1 credit. RB: Secondary certification in biology; 3 years teaching experience. R: Approval of college. SA: NSC 852
Interrelationships of biological science and technology. Role of society in regulation of research and technological innovations.

SCIENCE AND MATHEMATICS EDUCATION

SME

College of Natural Science

- 120 Seminar in Integrated Science for Elementary Schools**
Spring. 1(1-1) Interdepartmental with Teacher Education. P:M: (BS 110 or BS 111 or CEM 141 or PHY 231 or PSL 250 or GLG 201 or GEO 203) R: Open only to students in the Integrated Science Teaching major, the Special Education major, the Child Development major, the Elementary Teacher Education program, the 5th-year teacher certification program, or approval of college.
Exploration of major connecting themes in life sciences, earth science, and physical science as evidenced in the K-8 science curriculum and college science courses.