

989. Topics in Sociological Methodology
Fall of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all enrollments for this course.
R: Open only to graduate students in Sociology or Sociology-Urban Studies. Approval of department.
Evaluation research, experimental or comparative research methods.
QA: SOC 988

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course.
QA: SOC 999

SPANISH SPN
**Department of Romance and
Classical Languages
College of Arts and Letters**

101. Elementary Spanish I
Fall, Spring. 4(4-1)
R: No previous experience in Spanish or designated score on Spanish placement test. Not open to students with credit in SPN 150.
Practice in using and understanding Spanish to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
QA: SPN 101, SPN 102

102. Elementary Spanish II
Fall, Spring. 4(4-1)
P: SPN 101 or designated score on Spanish placement test. Not open to students with credit in SPN 150.
Further practice in using and understanding Spanish to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
QP: SPN 102 QA: SPN 102, SPN 103

150. Review of Elementary Spanish
Fall, Spring. 3(3-1)
R: Open to students with high school credit in Spanish and designated score on Spanish placement test. Not open to students with credit in SPN 101 or SPN 102.
Review of college first-year Spanish for students who had the language in high school and who need to strengthen communication skills, vocabulary, grammar, and pronunciation before study at the 200 level.
QA: SPN 190

201. Second Year Spanish I
Fall, Spring. 4(4-0)
P: SPN 102 or SPN 150 or R: designated score on Spanish placement test.
Intermediate-level review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Spanish-speaking world.
QP: SPN 103, SPN 190 QA: SPN 201, SPN 202

202. Second-Year Spanish II
Fall, Spring. 4(4-0)
P: SPN 201.
Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Spanish-speaking world.
QP: SPN 202 QA: SPN 202, SPN 203

290. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 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.

320. Grammar and Composition
Fall, Spring. 3(3-0)
P: SPN 202.
Systematic study of Spanish grammar and composition. Extensive writing in Spanish.
QP: SPN 203 QA: SPN 321, SPN 322

330. Phonetics and Oral Spanish
Fall, Spring. 3(3-0)
P: SPN 320.
Phonetic description of the sound system of Spanish, developed linguistically and applied to the improvement of pronunciation and spoken Spanish.
QP: SPN 203 QA: SPN 300

340. Spanish Culture
Fall. 3(3-0)
P: SPN 320.
Aspects of political, social, economic, intellectual, artistic, and literary life of Spain from its origins to the present. Readings, film, and musical selections used as sources for discussion in Spanish.
QP: SPN 203, SPN 322 QA: SPN 327

345. Spanish American Culture
Spring. 3(3-0)
P: SPN 320.
Aspects of political, social, economic, intellectual, artistic, and literary life of Spanish America. Readings, films, and musical selections used as sources for class discussion in Spanish.
QP: SPN 203, SPN 322 QA: SPN 328

346. Hispanic Cultures in the United States
Spring of odd-numbered years. 3(3-0)
R: Not open to freshmen.
History and culture of the varied Hispanic groups in the United States. Migrant and bilingual education. Border and Caribbean cultures. Literary and artistic expression.
QA: SPN 326

350. Introduction to Reading Hispanic Literature
Fall, Spring. 3(3-0)
P: SPN 320.
Close reading of poetry, drama, and prose.
QP: SPN 203 QA: SPN 361

355. Hispanic Literatures in English Translation
Spring. 3(3-0)
R: Not open to freshmen.
Selected representative works or themes of the literatures of Spain or Spanish America.

410. Survey of Spanish Literature I
Fall of even-numbered years. 3(3-0)
P: SPN 350; SPN 340 or SPN 345.
Major periods, trends, and authors from the origins through the literature of the Golden Age.
QP: SPN 361, SPN 322 QA: SPN 362

411. Survey of Spanish Literature II
Spring of even-numbered years. 3(3-0)
P: SPN 350; SPN 340 or SPN 345.
Major periods, trends, and authors from the Spanish Enlightenment to the post-Franco era.
QP: SPN 361, SPN 322 QA: SPN 363

415. Survey of Spanish American Literature I
Fall of odd-numbered years. 3(3-0)
P: SPN 350; SPN 340 or SPN 345.
Survey of literature from the conquest through the nineteenth century.
QP: SPN 361, SPN 322 QA: SPN 364

416. Survey of Spanish American Literature II
Spring of odd-numbered years. 3(3-0)
P: SPN 350; SPN 340 or SPN 345.
Survey of literature of the twentieth century.
QP: SPN 361, SPN 322 QA: SPN 365

425. Linguistic Grammar
Fall. 3(3-0)
P: SPN 320; LIN 401 or ROM 401.
Linguistic justification and investigation of major grammar rules of Spanish. Extraction of generalizations from contextualized spoken and written Spanish.
QP: SPN 322, LIN 401 QA: SPN 422, SPN 423

430. Topics in Hispanic Linguistics
Spring. 3(3-0)
P: SPN 320; LIN 401 or ROM 401.
Topics include phonology, contrastive structures, and syntax.
QP: SPN 322, LIN 401 QA: SPN 420, SPN 421

450. Spanish Literature of the Middle Ages
Fall of even-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Major currents of the Middle Ages as reflected in the writings of representative authors of the period.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 450

455. Cervantes
Spring of even-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Don Quijote, representative novelas ejemplares, drama and poetry.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 455

460. Spanish Golden Age Literature
Fall of odd-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Theatre, prose, and poetry of the Golden Age, excluding Don Quijote. Renaissance and Baroque ideologies and their genres.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 460

465. 19th Century Spanish Literature
Spring of odd-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Principal literary movements of nineteenth-century Spain through representative major works in all genres, and pertinent secondary sources.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 465

470. 20th Century Spanish Literature
Fall of even-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Principal literary movements of Spain through major works, generations, and authors.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 470

475. Spanish American Literature through the 19th Century
Spring of even-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Development of Spanish American literature from its origins through the nineteenth century.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 475

480. Spanish American Literature of the 20th Century
Fall of odd-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
Major works of poetry, theatre, prose fiction, and essay.
QP: SPN 361 or SPN 363 or SPN 365 QA: SPN 480

485. Topics in Hispanic Literatures of the Americas
Spring of odd-numbered years. 3(3-0)
P: SPN 410, SPN 411; or SPN 415, SPN 416.
A national literature or regional literature: Hispanic Caribbean, Mexico and Central America, Andean Countries, River Plate area, or Latino literature in the United States.
QP: SPN 363 or SPN 365 QA: SPN 485

490. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
R: Approval of department.
Special project arranged by an individual student and faculty member in an area supplementing regular course offerings.
QA: SPN 499

491. Special Topics in Spanish
Fall, Spring. 3(3-0)
R: Approval of department.
Special topics supplementing regular course offerings, proposed by faculty on a group study basis.

800. Current Approaches to Spanish Instruction
Fall. 3(3-0)
Theoretical and applied study of methodologies of teaching Spanish.
QA: SPN 800

**Descriptions—Spanish
of
Courses**

805. Evolution of the Spanish Language
Spring of even-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Phonology, morphology and syntax of Spanish from
its origins to the present.
QA: SPN 805

806. Topics in Hispanic Linguistics
Spring of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Issues in Spanish language treated in light of current
linguistic inquiry. Topics vary.
QA: SPN 806

807. Topics in Hispanic Culture
Spring of even-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Topics such as the Enlightenment, Post-Francost
film, and pre-Columbian cultures.
QA: SPN 809

**810. Studies in Medieval Spanish
Literature**
Spring of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Works, genres, and writers of the Spanish Middle
Ages. Topics vary.
QA: SPN 802

815. Studies in Golden Age Literature
Fall of even-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Poetry, drama, and prose of 16th and 17th century
Spain. Topics vary.
QA: SPN 811

820. Cervantes
Fall of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Critical study of "Don Quijote," "Novelas Ejemplares,"
or other works.
QA: SPN 812

**825. Studies in 18th and 19th Century
Spanish Literature**
Spring of even-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Literature from post-Baroque Spain to the Generation
of 1898. Topics vary.
QA: SPN 831

**830. Studies in 20th-Century Spanish
Literature**
Fall of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Authors, generations, and tendencies that shape the
directions of Spanish literature in the 20th Century.
Topics vary.
QA: SPN 842

**835. Spanish-American Literature before
Modernismo**
Spring of odd-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Major authors and movements from the colonial
period to Modernismo. Topics vary.
QA: SPN 850

**840. Contemporary Spanish-American
Literature**
Fall of even-numbered years. 3(3-0) A
student may earn a maximum of 9 credits in all
enrollments for this course.
Poetry, drama, prose, fiction, and essay from Modern-
ismo to the present. Topics vary.
QA: SPN 852

890. Independent Study
Fall, Spring, Summer. 1 to 3 credits. A
student may earn a maximum of 9 credits in all
enrollments for this course.
R: Approval of department.
Special projects, directed reading, and research ar-
ranged by an individual graduate student and a
faculty member in areas supplementing regular
course offerings.
QA: SPN 860

891. Special Topics in Spanish
Fall, Spring, Summer. 3(3-0) A student
may earn a maximum of 6 credits in all enroll-
ments for this course.
R: Approval of department.
Special topics supplementing regular course offerings
proposed by faculty on a group study basis for gradu-
ate students.

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A
student may earn a maximum of 24 credits in all
enrollments for this course.
R: Approval of department.

QA: SPN 999

**STATISTICS AND
PROBABILITY STT**

**Department of Statistics and
Probability
College of Natural Science**

200. Statistical Methods
Fall, Spring, Summer. 3(4-0)
P: MTH 103 or designated score on mathematics
placement test. R: Not open to students with credit
in STT 201 or STT 315 or STT 421.

Descriptive statistics, elementary probability and
combinatorics. The binomial distribution. Random
variables, their expectations and variances. Central
Limit Theorem, estimation and inference. Simple tests
based on the binomial, normal, t, chi-square and F
distributions.
QP: MTH 108 QA: STT 201

201. Statistical Methods
Fall, Spring, Summer. 4(3-2)
P: MTH 103 or designated score on mathematics
placement test. R: Not open to students with credit
in STT 200 or STT 315 or STT 421.
Probability and statistics with computer applications.
Data analysis, probability models, random variables,
tests of hypotheses, confidence intervals, simple linear
regression.
QP: MTH 108

**315. Introduction to Probability and
Statistics for Business**
Fall, Spring, Summer. 3(4-0)
P: MTH 120 or MTH 124 or MTH 132. R: Not open
to students with credit in STT 200 or STT 201 or STT
421.
Probability and statistics for business majors. Data
analysis, probability models, random variables, single
population confidence intervals and tests of hypothe-
ses with business applications.
QP: MTH 111 QA: STT 315

331. Statistics for Scientists
Fall, Spring. 3(3-0)
P: MTH 120 or MTH 124 or MTH 132 or LBS 101.
R: Open only to students in College of Natural Science.
Calculus based course in probability and statistics.
Probability models, random variables, tests of hypothe-
ses, confidence intervals with applications in scienc-
es.
QP: LBS 113 or MTH 113

**351. Probability and Statistics for
Engineers**
Fall, Spring, Summer. 3(3-0)
P: MTH 234. R: Not open to students with credit in
STT 430.
A calculus based course in probability and statistics
for engineering students. Probability models, random
variables, tests of hypotheses, and confidence inter-
vals with engineering applications.
QA: STT 351

421. Statistics I
Fall, Spring, Summer. 3(3-0)
P: MTH 103 or MTH 110 or MTH 116. R: Not open
to students with credit in STT 200 or STT 201 or STT
315.
Basic probability, random variables, and common
distributions. Estimation and tests for one-, two-, and
paired sample problems. Introduction to simple linear
regression and correlation, 1-way ANOVA.
QP: MTH 108 QA: STT 421, STT 422

422. Statistics II
Fall, Spring, Summer. 3(3-0)
P: STT 421. R: Not open to students with credit in
STT 464.
Goodness of fit and other non-parametric methods.
Linear models including multiple regression and
ANOVA for simple experimental designs.
QP: STT 421 QA: STT 422, STT 423

**430. Introduction to Probability and
Statistics**
Fall. 3(3-0)
P: MTH 126 or MTH 133. R: Open only to Economics
and Agricultural Economics majors. Not open to
students with credit in STT 351.
Calculus based probability and statistics with applica-
tions. Discrete and continuous random variables and
their expectations. Point and interval estimation, tests
of hypotheses, simple linear regression.
QP: MTH 113 or MTH 123 or MTH 480

**441. Probability and Statistics I:
Probability**
Fall, Spring, Summer. 3(3-0)
P: MTH 235 or concurrently.
Discrete and continuous distributions: univariate and
multivariate. Normal approximation, sampling distri-
butions and parameter estimation. Poisson process
and applications.
QP: MTH 215 QA: STT 441, STT 442

**442. Probability and Statistics II:
Statistics**
Fall, Spring. 3(3-0)
P: STT 441, MTH 314.
Estimation, tests of hypotheses, confidence intervals.
Goodness of fit, non-parametric methods. Linear
models, multiple regression, ANOVA.
QP: STT 441 QA: STT 442, STT 443

**461. Computations in Probability and
Statistics**
Spring. 3(3-0)
P: CPS 131 or CPS 230; MTH 314, STT 441.
Computer algorithms for evaluation, simulation and
visualization. Sampling and prescribed distributions.
Robustness and error analysis of procedures used by
statistical packages. Graphics for data display, compu-
tation of probabilities and percentiles.
QP: STT 441, MTH 334 QA: STT 461

464. Statistical Methods for Biologists I
Fall. 3(3-0) Interdepartmental with Ani-
mal Science, and Crop and Soil Sciences.
P: STT 421.
Biological random variables, estimation of population
parameters, and testing hypotheses. Linear correla-
tion and regression (prediction). Contingency tables
and analysis of variance for comparison of biological
groups.
QP: STT 421 QA: STT 422

465. Statistical Methods for Biologists II
Spring. 3(3-0) Interdepartmental with
Animal Science, and Crop and Soil Sciences.
P: STT 464.
Concepts of reducing experimental error: covariance,
complete and incomplete block designs, latin squares,
split plots, repeated-measures designs, regression
applications, and response surface designs.
QP: STT 422 QA: ANS 871, CSS 920