

MATHEMATICS AND COMPUTER SCIENCE

Chairperson: Scott Coble, SJ
 Professors: R. Bryant, J. Burke, W. Carsrud,
 P. De Palma, J. Firkins (Emeritus), K. Yerion
 Associate Professors: D. Hughes, T. McKenzie, G. Roth,
 J. Vander Beek,
 Assistant Professors: S. Coble, S.J., D. Larson, G. Nord,
 S. Overbay, J. Villalpando, T. Woods

The Department of Mathematics and Computer Science trains students to meet the expanding quantitative needs of society and provides them with the theoretical structures from which practical applications derive. Its curriculum, a blend of several broad areas of thought in both mathematics and computer science, has these major components: pure mathematics, classical applied mathematics, and computer science. Majors in this department are well-prepared for positions in industry and government demanding quantitative techniques or computer science, for teaching mathematics on the primary or secondary level, and for graduate work.

The department offers four degree programs: Bachelor of Arts in Mathematics, Bachelor of Science in Mathematics, Bachelor of Science in Mathematics-Computer Science, Bachelor of Science in Computer Science. Majors must take the senior comprehensive (MATH 499 or CPSC 499) in the fall of their fourth year. These courses review material in preparation for the ETS Major Field Tests, which is required of all majors.

Prospective teachers of mathematics on the primary level are required to take MATH 121 and MATH 203.

It is recommended that majors in computer science and/or mathematics take PHYS 103, CHEM 105 or BIOL 101 to satisfy their College of Arts and Sciences laboratory science requirement.

The department has student chapters of the Mathematical Association of America and the Association for Computing Machinery. The MAA and the ACM sponsor lectures and social events for department majors. Mathematics majors may participate in the William Lowell Putnam Mathematical Competition held every December. Computer science majors may participate in the Annual ACM Programming Contest held every November.

The department has its own extensive computing laboratory which includes PCs running Windows XP and a Hewlett-Packard A400 machine running UNIX. This powerful machine is capable of handling 100 users concurrently. The department also owns a network of Linux PCs that is used to study data communications and operating systems. The machines in the department's lab have C and C++ compilers, Java interpreters, graphics packages, office suites, Mathematica, and Oracle, the computer industry's premier database management system. In addition, the University maintains microcomputer laboratories in many buildings across campus. All computer labs on campus, as well as all dormitory rooms, are connected to the campus-wide network and from there to the Internet via a high-speed link.

B.S. Major in Mathematics: 40 Credits

Lower Division Courses

MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 259 Calculus & Analytic Geo. III	4 credits
MATH 231 Discrete Structures	3 credits

Upper Division Courses

MATH 339, any 400-level	15 credits
MATH - - - Electives*	9 credits
* One of these courses may be replaced by MATH 260 or an upper division CPSC course.	
MATH 499 Senior Comprehensive	1 credit

B.A. Major in Mathematics: 31 Credits

Lower Division Courses

MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 259 Calculus & Analytic Geo. III	4 credits
MATH 231 Discrete Structures	3 credits

Upper Division Courses

MATH 339, any 400-level	9 credits
MATH - - - Electives*	6 credits
* One of these courses may be replaced by MATH 260 or an upper division CPSC course.	
MATH 499 Senior Comprehensive	1 credit

B.A. Major in Mathematics: 31 Credits

For Prospective Teachers Seeking a Mathematics Endorsement

Lower Division Courses

MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 259 Calculus & Analytic Geo. III	4 credits
MATH 231 Discrete Structures	3 credits
MATH 260 Ordinary Differential Equations	3 credits

Upper Division Courses

MATH 321 Statistics for Experimentalists	3 credits
MATH 339 Linear Algebra	3 credits
MATH 341 Modern Geometry	3 credits
MATH 437 Abstract Algebra I	3 credits
MATH 499 Senior Comprehensive	1 credit

(Note: Students in this program should consult their advisors for updates in endorsement course requirements.)

Minor in Mathematics: 24 credits

Lower Division Courses

MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 259 Calculus & Analytic Geo. III	4 credits
MATH 231 Discrete Structures	3 credits

Upper Division Courses

MATH any 400-level	3 credits
MATH Electives	3 credits
MATH or CPSC Electives	3 credits

B.S. Major in Computer Science: 59 credits

Lower Division Courses

CPSC 121 Computer Science I	3 credits
CPSC 122 Computer Science II	3 credits
CPEN 230 Digital Logic	4 credits
CPSC 223 Abstract Data Structures	3 credits
CPSC 224 Object-Oriented Programming	3 credits
CPEN 231 & 231L Microcomp. Architecture and Assembly Lang. Prog. & Lab	4 credits
MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 231 Discrete Structures	3 credits

Upper Division Courses

CPSC 351 Theory of Computation	3 credits
CPSC 300-level or above except 497	9 credits
CPSC upper division elective, (except 497), CPEN 331, or CPEN 428	3 credits
MATH 321, 328, 339, 350, 351, any 400-level	6 credits
CPSC 491 Software Engineering, Group Design I	3 credits
CPSC 492 Software Engineering, Group Design II	3 credits
CPSC 499 Senior Comprehensive	1 credit

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Minor in Computer Science: 18 credits

CPSC 121 Computer Science I	3 credits
CPSC 122 Computer Science II	3 credits
CPSC 223 Data Structures	3 credits
CPSC Electives (CPSC 224 or above)	9 credits

B.S. Major in Mathematics-Computer Science: 49 Credits

Lower Division Courses

CPSC 121 Computer Science I	3 credits
CPSC 122 Computer Science II	3 credits
CPSC 223 Data Structures	3 credits
CPSC 224 Object-Oriented Programming	3 credits
MATH 157 Calculus & Analytic Geo. I	4 credits
MATH 231 Discrete Structures	3 credits
MATH 258 Calculus & Analytic Geo. II	4 credits
MATH 259 Calculus & Analytic Geo. III	4 credits

Upper Division Courses

CPSC 300-level or above except 497	6 credits
MATH 413, 414, 417, 421,422, 437, 438, 454	3 credits
MATH 321, 328, 339, 350, 351, 413, 414, 417, 421, 422, 437, 438, 454	12 credits
MATH 499 Senior Comprehensive	1 credit

Minor in Mathematics-Computer: Science is not available

Suggested Program Schedule for B.S. Major in Computer Science

First Year Schedule

Fall Semester

CPSC 121 Computer Science I	3 credits
MATH 157 Calculus & Analytic Geometry I	4 credits
Other Courses	9-11 credits

Spring Semester

CPSC 122 Computer Science II	3 credits
MATH 258 Calculus & Analytic Geometry II	4 credits
CPEN 230 Digital Logic	4 credits
Other Courses	5-7 credits

Second Year Schedule

Fall Semester

CPSC 223 Data Structures	3 credits
CPEN 231 Microcomputer Architecture and Assembly Language Programming	4 credits
MATH 231 Discrete Structures	3 credits
Other Courses	7-9 credits

Spring Semester

CPSC 224 Object-Oriented Programming	3 credits
MATH Elective	3 credits
Other Courses	10-12 credits

Third Year Schedule

Fall Semester

CPSC 351 Theory of Computation	3 credits
CPSC Elective	3 credits
MATH Elective	3 credits
Other Courses	7-9 credits

Spring Semester

CPSC Electives	6 credits
Other Courses	10-13 credits

Fourth Year Schedule

Fall Semester

CPSC 491 Software Eng. & Group Design I	3 credits
CPSC 499 Senior Comprehensive	1 credit
CPSC Elective	3 credits
Other Courses	9-11 credits

Spring Semester

CPSC 492 Software Eng.& Group Design II	3 credits
Other Courses	13-16 credits

Mathematics

Lower Division Courses

MATH 103 Excursions in Mathematics 3 credits

An elementary survey of various mathematical areas such as algebra, geometry, counting (permutations, combinations), probability, and other topics selected by the instructor. This course is intended for the liberal arts student not pursuing business or the sciences. Fall and Spring. Prerequisite: Two years of high school algebra.

MATH 112 College Algebra 3 credits

College algebra for those students who need additional preparation before taking MATH 114, MATH 147, or MATH 148. Topics include equations, polynomials, conics, graphing, algebraic, exponential and logarithmic functions. Fall and Spring. Prerequisite: 2 years of high school algebra.

MATH 114 Mathematical Analysis for Business 3 credits

Designed for the student majoring in business. Topics selected from: functions, systems of linear equations and matrices, linear programming, elementary probability, and an introduction to differential calculus. Fall and Spring. Prerequisite: MATH 112 or equivalent.

MATH 121 Introductory Statistics 3 credits

An introduction to the basic concepts of descriptive and inferential statistics and their application to the interpretation and analysis of data. Fall and Spring. Prerequisite: two years of high school algebra.

MATH 147 Pre-Calculus 3 credits

Topics include advanced equations and inequalities, functions and graphs including composite and inverse functions, logarithmic and exponential functions, trigonometric functions and their graphs, right angle trigonometry, trigonometric identities, systems of equations, and conics. Fall and Spring. Prerequisite: MATH 112 or two years high school algebra and high school geometry.

MATH 148 Survey of Calculus 3 credits

A one-semester introduction to differential and integral calculus designed to convey the significance, use and application of calculus for liberal arts students, particularly those in the behavioral, biological, and social sciences. Fall and Spring. Prerequisite: MATH 112 or a strong high school background in algebra, functions, and graphs.

MATH 157 Calculus and Analytic Geometry I 4 credits

Functions, continuity, the derivative with application to curve sketching and maximum-minimum problems, introduction to limits, and the integral. Fall and Spring. Prerequisite: MATH 147 or equivalent.

MATH 203 Mathematics for Elementary Teachers I 3 credits

Does not satisfy the university core requirement in mathematics unless the student earns a Teacher Certificate in Elementary Education. Topics include problem solving, sets and logic, functions, geometry, and number theory. Fall and Spring. Prerequisite: EDTE 100 or permission.

MATH 231 Discrete Structures 3 credits

Topics taken from sets, functions, matrices, ordered sets, partially ordered sets, directed graphs, algebraic systems, recursive definitions, and algorithms. Fall and Spring. Prerequisite: MATH 258.

MATH 258 Calculus and Analytic Geometry II 4 credits

Introduction to exponential, logarithmic, and hyperbolic functions; parametric equations; polar coordinates; techniques and applications of integration. Fall and Spring. Prerequisite: MATH 157 (with a grade of C- or higher strongly recommended.)

MATH 259 Calculus and Analytic Geometry III 4 credits

Infinite series, vectors, partial derivatives, multiple integrals, solid analytic geometry including spherical and cylindrical coordinates. Fall and Spring. Prerequisite: MATH 258 (with a grade of C- or higher strongly recommended.)

MATH 260 Ordinary Differential Equations 3 credits

Solution methods for first order equations, and for second and higher order linear equations. Includes series methods, and solution of linear systems of differential equations. Fall and Spring. Prerequisite: MATH 259 (with a grade of C- or higher strongly recommended.)

MATH 290 Sophomore Directed Reading credit by arrangement
Readings and reports in selected mathematical topics. On sufficient demand. Prerequisite: permission.

Upper Division

MATH 321 Statistics for Experimentalists 3 credits
 An extensive survey of statistical methods with an emphasis on their application. The focus is on inferential statistics with topics chosen from estimation, significance tests, regression, correlation, analysis of variance, multiple regression, nonparametric statistics, goodness of fit tests, and contingency tables. Fall and Spring. Prerequisite: MATH 157 or permission.

MATH 328 Operations Research 3 credits
 Quantitative methods for application to problems from business, engineering, and the social sciences. Topics include linear and dynamic programming, transportation problems, network analysis, PERT, and game theory. Spring, even years. Prerequisite: MATH 258.

MATH 339 Linear Algebra 3 credits
 A systematic study of matrices, vector spaces, and linear transformations. Topics include systems of linear equations, determinants, dependence, bases, dimension, rank, eigenvalues and eigenvectors. Applications include geometry, calculus, and differential equations. Spring. Prerequisite: MATH 259.

MATH 341 Modern Geometry 3 credits
 Axiomatic systems for, and selected topics from, Euclidean geometry, projective geometry, and other non-Euclidean geometries. Special attention will be given to the needs of the individuals preparing to teach at the secondary level. Spring, even years. Prerequisite: MATH 259.

MATH 350 Elementary Numerical Analysis 3 credits
 An introduction to numerical analysis: root finding, interpolation, numerical integration and differentiation, finite differences, numerical solution to initial value problems, and applications on a digital computer. Spring, odd years. Prerequisite: MATH 258.

MATH 351 Combinatorics and Graph Theory 3 credits
 An introduction to combinatorics and graph theory with topics taken from counting techniques, generating functions, combinatorial designs and codes, matchings, directed graphs, paths, circuits, connectivity, trees, planarity, and colorings. Fall, odd years. Prerequisite: MATH 231.

MATH 413 Advanced Calculus I 3 credits
 Notions from set theory, the real number system, topology of the real line, continuity (including uniform continuity), differentiation, Riemann integration, sequences, and infinite series of numbers and functions. Fall, even years. Prerequisite: MATH 231 and MATH 259, or permission.

MATH 414 Advanced Calculus II 3 credits
 Continuation of MATH 413. Spring, odd years. Prerequisite: MATH 413.

MATH 417 Complex Variables 3 credits
 Complex numbers and functions, analyticity and the Cauchy-Riemann equations, integration, and Cauchy's theorem and formula. Other topics chosen from Taylor and Laurent series, the calculus of residues, conformal mapping, and applications. Fall, odd years. Prerequisite: MATH 231 and MATH 259, or permission.

MATH 421 Probability Theory 3 credits
 A mathematical treatment of the laws of probability with emphasis on those properties fundamental to mathematical statistics. General probability spaces, combinatorial analysis, random variables, conditional probability, moment generating functions, Bayes law, distribution theory, and law of large numbers. Fall, even years. Prerequisite: MATH 231 and MATH 259, or permission.

MATH 422 Mathematical Statistics 3 credits
 An examination of the mathematical principles underlying the basic statistical inference techniques of estimation, hypothesis testing, regression and correlation, nonparametric statistics, analysis of variance. Spring, odd years. Prerequisite: MATH 421.

MATH 437 Abstract Algebra I 3 credits
 A detailed examination of topics chosen from groups, rings, integral domains, Euclidean domains, unique factorization, fields, Galois theory, and solvability by radicals. Fall, odd years. Prerequisite: MATH 231 and MATH 259, or permission.

MATH 438 Abstract Algebra II 3 credits
 Continuation of MATH 437. Spring, even years. Prerequisite: MATH 437.

MATH 450-453 Selected Topics 1-3 credits
 Possible topics include combinatorics, topology, number theory, advanced numerical analysis, advanced linear algebra, theory of computation and complexity, and history of mathematics. Credit by arrangement. On sufficient demand. Prerequisite: third year standing and permission.

MATH 454 Partial Differential Equations 3 credits
 Derivation of the wave, heat, and Laplace's equations, separation of variables. Sturm-Liouville problems, sets of orthogonal functions, Fourier series, solutions of boundary value problems, Laplace transforms, and numerical methods. Spring, even years. Prerequisite: MATH 259 and either MATH 260 or MATH 231, or permission.

MATH 490 Directed Reading 1-3 credits
 Selected topics in mathematics. Prerequisite: permission.

MATH 497 Mathematics Internship 1-6 credits
 Special program for mathematics majors. Prerequisite: permission.

MATH 499 Senior Comprehensive 1 credit
 Preparation for and writing of the Educational Testing Service's Major Field Test in mathematics. Required of all Mathematics and Mathematics-Computer Science majors in their fourth year. Prerequisite: fourth year standing and permission. Fall.

**Computer Science
 Lower Division Courses**

CPSC 103 Introduction to Internet 3 credits
 Introduction to the Internet and its network services for noncomputer science majors. Study of physical network connectivity, communication, addressing schemes, social issues in network communication, especially ethics, and current technologies. Hands-on experience with web searches, file transfers, electronic mail, and creating web pages. On sufficient demand.

CPSC 105 Computer Fundamentals 3 credits
 An introduction to the key concepts and methods of computer science, both for students who wish to know more about the field and for those who want to investigate it as a possible career. Topics include computer hardware, software design and programming, databases, and artificial intelligence. Emphasis throughout will be on hands-on involvement with computers and software. In particular, students will develop elementary programming skills through a series of programming projects. On sufficient demand.

CPSC 107 User-Centered Web Site Design 3 credits
 This course focuses on quality design principles and user-centered development techniques used in creating a web site. Topics will include human-computer interaction, graphical design, prototyping, and introduction to web programming. On sufficient demand.

CPSC 121 Computer Science I 3 credits
 Techniques of problem-solving and algorithmic development. An introduction to programming. Emphasis is on how to design, code, debug, and document programs using good programming style. Fall and Spring.

CPSC 122 Computer Science II 3 credits
 A continuation of CPSC 121. An examination of pointers and recursion; an introduction to basic data structures and algorithmic analysis. Fall and Spring. Prerequisite: CPSC 121.

CPSC 223 Abstract Data Structures 3 credits
 A continuation of CPSC 122. Topics include the design and implementation of ADTs stack, queues, binary trees, balanced search trees, and heaps. Emphasis is on a formal analysis of important data structures and algorithms. Also included is an introduction to object-oriented programming: classes, objects, function and operator overloading, inheritance, virtual functions, templates. Fall and Spring. Prerequisite: CPSC 122, Corequisite: MATH 231.

CPSC 224 Object-Oriented Programming in C++ 3 credits
 Object-oriented topics like overloading, templating, inheritance, and virtual functions as they arise in the study of the event-driven programming. Introduction to object-oriented design using the Unified Modeling Language. Spring. Prerequisite: CPSC 223.

CPSC 290 Directed Reading 1-3 credits
 Selected topics for further reading; credit by arrangement. On sufficient demand. Prerequisite: permission

Upper Division Courses**CPSC 324 Topics in Java Programming** 3 credits

Topics raised by the Java programming language including the Java Virtual Machine, object-oriented programming, event-driven programming, and Java Applets. Fall, odd years, on sufficient demand. Prerequisite: CPSC 223.

CPSC 325 Computer Graphics I 3 credits

An introduction to the use of graphics primitives within a higher level language to produce two- and three-dimensional images; underlying mathematical operations used to implement standard graphics packages; practical experience with current graphics systems. Fall, odd years, on sufficient demand. Prerequisites: CPSC 223 and MATH 231.

CPSC 326 Organization of Program. Lang. 3 credits

An examination of the structures and concepts of procedural, functional, logic-based and object-oriented programming languages. On sufficient demand. Prerequisite: CPSC 223.

CPSC 327 Artificial Intelligence 3 credits

An introduction to AI. Topics include state space and heuristic search, knowledge representation formalisms, automated reasoning and one or more AI application areas. Fall, even years, on sufficient demand. Prerequisites: CPSC 223 and MATH 231

CPSC 351 Theory of Computation 3 credits

Study of the theory of computation. Regular grammars, finite state automata, context-free grammars, push down automata, Turing machines, parsing, normal forms, and the Chomsky hierarchy. Fall. Prerequisites: third year standing and CPSC 223 and MATH 231.

CPSC 421 Database Management Systems 3 credits

Introduction to database concepts. A study of data models, data normalization, relational algebra. Use of data definition and data manipulation languages including embedded SQL. File and index organization. Fall, odd years, on sufficient demand. Prerequisites: CPSC 223 and MATH 231.

CPSC 424 Computer Graphics II 3 credits

A continuation of CPSC 325. Spring, even years, on sufficient demand. Prerequisite: CPSC 325.

CPSC 425 Artificial Intelligence II 3 credits

A continuation of CPSC 327. Spring, odd years, on sufficient demand. Prerequisite: CPSC 327.

CPSC 428 Compiler Theory and Design 3 credits

Scanning, parsing, code generation, optimization theory and practical limitations, metacompilers. Spring, odd years, on sufficient demand. Prerequisites: CPSC 351, CPEN 231.

CPSC 446 Operating Systems 3 credits

A study of operating systems internals. Topics include concurrent processes, memory management, file system management, scheduling algorithms, resource allocation, security. Spring, even years, on sufficient demand. Prerequisites: CPSC 223, CPEN 231.

CPSC 447 (CPEN 447) Data Communications 3 credits

Study of hardware and software components of computer communications and networks; communication protocols; routing algorithms; machine addressing and network services. Fall, even years, on sufficient demand. Prerequisite: CPSC 223.

CPSC 450 Design and Analysis of Computer Algorithms 3 credits

Study of algorithms that occur frequently in computer applications. Analysis includes basic principles and techniques of computational complexity behavior. Spring, even years, on sufficient demand. Prerequisites: CPSC 223 and MATH 231.

CPSC 460 - 469 Selected Topics 3 credits

Possible topics include complexity theory, computer architecture, systems analysis, cryptography, event driven programming, advanced topics in compiler design, advanced topics in operating system design. Corequisite: CPSC 351.

CPSC 490 Directed Reading 1-3 credits

Advanced readings in computer science theory. Credit by arrangement. Prerequisite: permission of the instructor.

CPSC 491 Software Engineering and Group Design I 3 credits

Two-semester senior design project. Combines an examination of the theoretical principles of software engineering with the design of a major project. Emphasis on working in teams. Fall. Prerequisite: CPSC 351 plus three credits upper division CPSC electives.

CPSC 492 Software Engineering and Group Design II 3 credits

Continuation of CPSC 491. Spring.

CPSC 497 Computer Science Internship 1-6 credits

Special program for computer science majors. Prerequisite: permission.

CPSC 499 Comprehensive 1 credit

Preparation for the Educational Testing Service's Major Field Test in computer science. Both CPSC 499 and the exam are required for computer science majors in the fall semester of the fourth year. Fall. Prerequisite: fourth year standing and permission.

MODERN LANGUAGES & LITERATURE**MODERN LANGUAGES AND LITERATURE**

Chairperson: Stefania Nedderman

Professor: G. Brooke

Associate Professors: A. Englekirk, M. Gonzales,

F. Kuester, S. Nedderman, B. Semple

Assistant Professor: B. Krause

Instructors: D. Birginal, E. Ditto, S. Katsushima

The Department of Modern Languages and Literature offers the Bachelor of Arts degree with majors in French and Spanish, and cooperates in offering majors in Italian Studies, Latin American Studies, European Studies and Asian Studies, with the Departments of Art, History and Political Science; more information on these programs can be found elsewhere in this catalogue.

Minors are available in French, German, Italian, Italian Studies, and Spanish. Students interested in a minor in these languages are encouraged to consider a European Studies major. This major, along with its language skills, will provide an understanding of the changes in the new integrated Europe. It will also be a very marketable degree. All language majors are encouraged to become proficient in a foreign language through study abroad; secondary education language majors are required to study abroad. All language majors take a comprehensive exam or a thesis; content varies by language.

A waiver for lower division requirements may be granted by the chairperson of the Department on recommendation of faculty according to the student's level of achievement or background. All majors need a minimum of 19 credits at the 300 level or above.

Three or six credits will be granted to students who achieve a score of four or five on the Advanced Placement Examination. Credit will not be given to native speakers of a language for their knowledge of that language. Native speakers or students with near-native fluency will not be allowed to enroll in first year language courses of their native language.. They will be placed into an appropriate course level according to their skills. No course can be challenged for credit.

Gonzaga also offers a one-year or one-semester program of study in Paris, France. Courses taken at the Sorbonne and/or the Institut Catholique may be transferred to Gonzaga and applied to the major requirement. Gonzaga-in-Florence, Italy, admits students for one year of study. The department also has a fall and spring semester program in Granada, Spain, plus a summer intensive program (up to 6 credits) in Cuernavaca, Mexico. Study abroad programs in Japan and China are also available through the University. Study in Germany with the Goethe-Institut is available during the summer.

The Asian Studies, Latin American Studies, and European Studies Programs, which are part of the International Studies major, are fully described under International Studies.

Courses in Foreign Civilization and Culture

Note: For these courses foreign-language competence is not a prerequisite. Courses are offered on sufficient demand and are designated by a (FC) suffix added to the course number in each semester's Class Schedule.

Chinese

Lower Division Courses

CHIN 101 Elementary Chinese 4 credits
Training in all four skills of language fundamentals: Mandarin sound system, conversation and listening comprehension on daily topics, reading and writing simple discourse consisting of basic syntactic constructions. Fall.

CHIN 102 Elementary Chinese II 4 credits
A continuation of CHIN 101. Spring. Prerequisite: CHIN 101 or permission

CHIN 201 Intermediate Chinese I 4 credits
Review and further training in the fundamentals of grammar and syntax. In addition to work in oral Chinese, there are progressive exercises in reading and writing longer discourse. Fall.
Prerequisite: CHIN 102 or permission.

CHIN 202 Intermediate Chinese II 4 credits
A continuation of CHIN 201. Spring. Prerequisite: CHIN 201.

Upper Division Courses

CHIN 301 Advanced Chinese I 3 credits
The course strengthens competence in four language skills; reading, writing, speaking, and listening through the study and discussion of essays and dialogues of contemporary social and cultural interest. Prerequisite: CHIN 202

CHIN 302 Advanced Chinese II 3 credits
A continuation of CHIN 301. Prerequisite: CHIN 301

French

Lower Division Courses

FREN 100 French for Travelers 3 credits
Acquisition of vocabulary, phrases, essential grammar and cultural knowledge needed to communicate in a French-speaking milieu. Emphasis on conversation. Summer.

FREN 101 Elementary French I 4 credits
Grammar and pronunciation, extensive oral practice, short compositions, and reading of simple texts. Fall or Spring.

FREN 102 Elementary French II 4 credits
A continuation of FREN 101. Fall or Spring. Prerequisite: FREN 101.

FREN 200 French Conversation 3 credits
Review of grammar and syntax with emphasis on spoken French. Progressive exercises in conversation. On sufficient demand. Prerequisite: FREN 102.

FREN 201 Intermediate French I 4 credits
Review of the fundamentals of grammar and syntax. In addition to work in oral French, there are progressive exercises in reading and composition. Fall. Prerequisite: FREN 102 or permission.

FREN 202 Intermediate French II 4 credits
A continuation of FREN 201. Spring. Prerequisite: FREN 201 or permission.

FREN 280 Special Topics I 1-3 credits
By arrangement. Prerequisite: permission.

B.A. Major in French: 35 Credits

or 19 credits at the 300 level and above

Lower Division Courses

FREN 101 & 102 Elementary French I & II 8 credits
FREN 201 and 202 Inter. French I & II 8 credits

Upper Division Courses

FREN 330 Literary Genres 3 credits
FREN 331 Contemporary French Cinema 3 credits
FREN 333 Survey of French Literature I 3 credits
FREN 350 French Civilization and Culture 3 credits
FREN - - - Electives 6 credits
FREN 499 Senior Comprehensive 1 credit
FREN 333 open to French minors by permission of the instructor only. Minors in French are encouraged to study abroad for one semester in Paris or in an approved summer program.

B.A. Major in Spanish: 31-32 Credits

or 19 credits at the 300 level and above

Lower Division Courses

SPAN 101 Elementary Spanish I 4 credits
SPAN 102 Elementary Spanish II 4 credits
SPAN 201 Intermediate Spanish I 4 credits
SPAN 202 Intermediate Spanish II 4 credits
SPAN 203 Intermediate Spanish III 4 credits

Upper Division Courses

SPAN 301 Advanced Spanish 3 credits
SPAN 303 , 304, 307 or 308 6 credits
SPAN 409 or SPAN 410 3 credits
SPAN - - - Electives 3-9 credits
SPAN 499 Spanish Comprehensive 1 credit

(All upper division required courses for the Spanish major must be taken on the Gonzaga campus)

Minor in French or German or Italian or Spanish: 28-32 Credits

or 20 credits from the 200 level and above

Lower Division Courses

Elementary Level 8 credits
Intermediate Level 8 to 12 credits

Upper Division Courses

Electives in Same Language 12 credits
All Spanish minors are required to take Spanish 301
All French minors are required to take French 300

Special Topics in Language Courses

With prior approval of departmental chair, students may study a language abroad (in a university approved program) not studied at Gonzaga and transfer these units to Gonzaga.

MDLA 190 Elementary language course(s) 3-6 credits
MDLA 290 Intermediary language course(s) 3-6 credits
MDLA 390 Advanced language course(s) 3-6 credits

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Upper Division Courses

- FREN 300 Advanced Grammar Review** 3 credits
An intensive one-semester grammar course with extensive oral practice. Fall. Prerequisite: French 202 or permission.
- FREN 301 Advanced French I** 3 credits
Short stories, plays, novels, or essays by modern authors, with grammar and conversation based on the texts studied. Practice in phonetics where needed. In Paris. Prerequisites: FREN 201 and FREN 202 .
- FREN 302 Advanced French II** 3 credits
Continuation of FREN 301. A greater emphasis on composition and advanced style. In Paris. Prerequisite: FREN 301 or permission.
- FREN 322 17th-Century French** 3 credits
The dramatists: Corneille, Racine, and Moliere. In Paris. Prerequisite: FREN 330 or permission.
- FREN 323 18th-Century French** 3 credits
The moralists: Montesquieu, Voltaire, and Rousseau. In Paris. Prerequisite: FREN 330 or permission.
- FREN 324 19th-Century French I** 3 credits
Romanticism in poetry and theater. Baudelaire and the Symbolists; Realist Theater. In Paris. Prerequisite: FREN 330 or permission.
- FREN 325 19th-Century French II** 3 credits
The novelists: Stendhal, Balzac, Flaubert, and Zola. In Paris. Prerequisite: FREN 330 or permission.
- FREN 326 20th-Century French I** 3 credits
Contemporary drama. In Paris. Prerequisite: FREN 330 or permission.
- FREN 327 20th-Century French II** 3 credits
Contemporary novel. In Paris. Prerequisite: FREN 330 or permission.
- FREN 330 Literary Genres** 3 credits
Study of selections of prose and poetry in their historical and cultural context. Development of reading comprehension and skills for interpretation of literature. Fall. Prerequisites: FREN 201 and FREN 202 or permission.
- FREN 331 (INST 339) Contemporary French Cinema** 3 credits
A study of French cinema as it has evolved in the last two decades. The films viewed will be used as a means to encourage reflection on the history, ideas and values that have gone into the making of modern France. Spring. Prerequisite: FREN 300 or FREN 330 or permission.
- FREN 333 Survey of French Literature** 3 credits
The major French writers by genre. Fall. Prerequisite: FREN 330 and permission and fourth year standing.
- FREN 350 French Civilization and Culture** 3 credits
The political, social, intellectual, and artistic development of French culture from the beginning to the present. In Paris. Prerequisite: second year standing.
- FREN 410 Stylistics** 3 credits
Designed to develop variety and flexibility of style in the writing of French prose. In Paris. Prerequisite: FREN 302 or permission.
- FREN 412 (MTSL 300) Literacy, Language and Culture** 3 credits
This is a Service-Learning course that pairs Spokane Public Schools' English language learners with Gonzaga students. The course prepares students to work with linguistic minorities by providing them with methods and theories of second language acquisition.
- FREN 425 Advanced French Conversation** 3 credits
Intensive practice in oral French. Study of vocabulary, grammar, and pronunciation through discussion of cultural topics. In Paris and spring semester at Gonzaga University. Prerequisite: 300-level French class or permission.
- FREN 491 Directed Reading** 1-3 credits
Selected readings by arrangement. Prerequisite: permission.
- FREN 499 French Comprehensive** 1 credit
Required of all majors in their fourth year. Prerequisite: permission.

Courses Offered in Paris Only:

Students majoring in French must spend at least one semester or one year of study in Paris, depending on fluency.

- FREN 301 Advanced French I 3 credits
- FREN 302 Advanced French II 3 credits
- FREN 322 17th -Century French 3 credits
- FREN 323 18th -Century French 3 credits
- FREN 324 19th-Century French I 3 credits
- FREN 325 19th-Century French II 3 credits
- FREN 326 20th -Century French I 3 credits
- FREN 327 20th -Century French II 3 credits
- FREN 350 French Civilization and Culture 3 credits
- FREN 410 Stylistics 3 credits
- FREN 411 Cultural Tour of France 3 credits
- FREN 420 Journalism in France 3 credits
- FREN 421 French Politics 3 credits
- FREN 422 French Art & Architecture 1-3 credits
- FREN 423 Geography and Tourism in France 3 credits
- FREN 424 European Cinema 3 credits
- FREN 425 Advanced French Conversation 3 credits
- FREN 426 History of French Thought 3 credits
- FREN 427 French Art & Architecture 3 credits
- FREN 429 Economic Life of the French Provinces 3 credits
- FREN 430 Historic Evolution of France: 1789-1991 3 credits
- FREN 431 Middle Ages and Renaissance 3 credits
- FREN 432 France in the Third World 3 credits
- FREN 433 Business French 3 credits
- FREN 434 History of Contemporary France 3 credits
- FREN 435 European Relations 3 credits
- FREN 436 Paris Discovery 3 credits
- FREN 437 Creative French Theater 3 credits
- FREN 438 Systematic Studies of French Politics 3 credits
- FREN 439 Political and Economic Language 3 credits
- FREN 442 Social History of France 3 credits
- FREN 480 French Phonetics 1-3 credits
- FREN 481 Advanced French Phonetics 3 credits

German

Lower Division Courses

- GERM 101 Elementary German I** 4 credits
This course aims to develop in the student the four language skills of oral comprehension, speaking, reading, and writing. Fall.
- GERM 102 Elementary German II** 4 credits
A continuation of GERM 101. Spring. Prerequisite: GERM 101.
- GERM 201 Intermediate German I** 4 credits
Review and further training in the fundamentals of grammar and syntax; work in oral German and progressive exercises in reading and composition. Fall. Prerequisite: GERM 102.
- GERM 202 Intermediate German II** 4 credits
A continuation of GERM 201. Spring. Prerequisite: GERM 201.

Upper Division Courses

- GERM 301 Advanced German** 3 credits
Reading and discussion of short stories with writing and grammar review. Alternate years. Prerequisite: GERM 202 or permission.
- GERM 305 German Conversation** 3 credits
Modern texts are the basis for structured conversations within a correct grammatical framework Alternate years. Prerequisite: GERM 202 or permission.

Upper Division Courses

- ITAL 301 Advanced Italian I** 3 credits
This course aims at developing and deepening the language abilities which students acquire in their first two years of study. By reading, analyzing and discussing texts, students will be exposed to a variety of styles and genres. They will produce their own repertoire of original writings in Italian. Prerequisite: ITAL 202.
- ITAL 303 Survey of Italian Literature I** 3 credits
An overview of Italian literature from the age of Dante to Machiavelli. On sufficient demand. May be offered in English with special arrangements for Italian majors and minors. Prerequisite: ITAL 202 or permission.
- ITAL 304 Survey Italian Literature II** 3 credits
An overview of Italian literature from the Renaissance through contemporary times. May be offered in English with special arrangements for Italian Studies majors and Italian minors. Prerequisite: ITAL 202 or permission.
- ITAL 306 Advanced Conversation** 3 credits
A class designed for students returning from Florence. Prerequisite: ITAL 202.
- ITAL 307 Conv Approach to Contemp Issue** 3 credits
A course designed for those who wish to continue to improve their conversational skills. Prerequisite: ITAL 202.
- ITAL 314 Fascism in Film and Literature** 3 credits
This class examines the way fascism is presented and selected in novels and films. Main objective of the class is to study the impact of Fascism and segments of the Italian population which did not conform to fascist ideals and were therefore neglected and/or persecuted. May be offered in English with special arrangements for Italian majors and minors. Prerequisite: ITAL 202 or permission, if offered in Italian.
- ITAL 315 The Italian Cinema** 3 credits
This course aims at an in-depth understanding and authentic enjoyment of the Italian cinema as an art form and as a medium conveying a multiplicity of humorous, social, and political messages. Prerequisite: sophomore standing or permission. Special arrangements made for Italian Studies majors and minors.
- ITAL 316 The Italian Short Story I** 3 credits
The development of the Italian short story from its origin through the Renaissance. Included are stories from the Novellino, the Decameron, the Novelliere, and short stories by Bandello and Machiavelli. Prerequisite: ITAL 202.
- ITAL 317 Italian Short Story II** 3 credits
The Italian short story through the works of the nineteenth and twentieth century authors such as Verga, Pirandello, D'Annunzio, Buzzati, Calvino, Ginzburg, Banti, etc. Prerequisite: ITAL 202.
- ITAL 318 The Italian Novel** 3 credits
Study of selected contemporary Italian novels. In English with special arrangements for Italian majors and minors.
- ITAL 322 (WOMS 324C) The Italian Historical Novel** 3 credits
This course will explore the development of the historical novel in Italy with a strong emphasis on modern historical novels. Prerequisite: ITAL 202 or permission.
- ITAL 330 Literary Genres** 3 credits
A study of examples of the major literary genres (narrative, dramatic, and poetic). Prerequisite: ITAL 202.
- ITAL 350 Ital Civilization and Culture** 3 credits
Readings and discussion of various aspects of Italian life such as art, cinema, politics, literature, history, fashions, etc. Prerequisite: ITAL 202.
- ITAL 361 Firenze citta D'arte e Cultura** 3 credits
Taught in Florence only Prerequisite: ITAL 202 In Italian

- GERM 306 German Youth Literature** 3 credits
This course focuses on popular texts written for children and young adults. Advanced grammar will be part of the course. Alternate years. Prerequisite: GERM 202 or permission.
- GERM 307 Contemporary Issues** 3 credits
Reading and discussion of current social, political, economic and environmental issues of German speaking countries as represented by their media. Alternate years. Prerequisite: GERM 202 or permission.
- GERM 330 Literary Genres** 3 credits
A study of examples of the major literary forms (prose, drama, and poetry) in their historical context. Alternate years. Prerequisite: GERM 202 or permission.
- GERM 340 (HIST 344/INST 388) Modern Germany** 3 credits
German society and politics from the late 18th to the early 20th century as reflected in German literature. Readings include novels and dramatic works in translation as well as historical texts. German language ability is not required.
- GERM 341 (HIST 345/INST 397) Hitler's Germany** 3 credits
German history from 1918 to 1945. The causes, characteristics, and consequences of Nazi rule. German Language ability is not required.
- GERM 480 Seminar** 3 credits
Specific topic chosen by professor. Prerequisite: permission.
- GERM 491 Directed Reading** 1-3 credits
Selected reading by arrangement. Prerequisite: permission.

Italian Lower Division Courses

- ITAL 101 Elementary Italian I** 4 credits
Grammar, composition, and verbal practice form the basis of this course. Designed to provide the student with the fundamentals of the Italian language. Fall or Spring.
- ITAL 102 Elementary Italian II** 4 credits
A continuation of ITAL 101. Fall (in Florence) and Spring. Prerequisite: ITAL 101.
- ITAL 105 Elementary Conversation** 3 credits
This course offers a practical, hands-on approach to learning Italian. Does not count toward the Florence program or Arts and Sciences core requirement of one year of Italian. Co-requisite or prerequisite: ITAL 101 (Florence only).
- ITAL 106 Elementary Italian Convers II** 3 credits
In this course students develop their existing language skills. Does not count toward the Florence program or the Arts and Sciences core requirement. Co-requisite or prerequisite: ITAL 102 (Florence only)
- ITAL 201 Intermediate Italian I** 4 credits
This course will build on your existing skills in Italian, increase your confidence and your ability to read, write, speak and understand the language, and introduce you to more refined lexical items, more complex grammatical structures. Fall (main campus) or Spring (in Florence). Prerequisite: ITAL 102.
- ITAL 202 Intermediate Italian II** 4 credits
This course will continue to build on your existing skills in Italian. Spring. Prerequisite: ITAL 201.
- ITAL 205 Intermediate Conversation** 3 credits
Does not count toward the Florence program or the Arts and Sciences core requirement. Co-requisite or Prerequisite: ITAL 201.
- ITAL 206 Intermediate Conversation II** 3 credits
Does not count toward the Florence program or the Arts and Sciences core requirement. Co-requisite or Prerequisite: ITAL 202.
- ITAL 280 Special Topics I** 3-6 credits
Permission Required

80 MODERN LANGUAGES & LITERATURE

ITAL 440 (WOMS 427) Women in Italian Literature 3 credits

This course examines the contribution of women novelists to Italian literature through the discussion of five contemporary novels by women. Prerequisite: sophomore standing or permission. In English with special arrangements for Italian Studies majors and minors.

ITAL 480 Seminar 3 credits

ITAL 481 Seminar 3 credits

ITAL 490 Directed Study 0-3 credits

This course requires completion of a form, and dept. permission.

ITAL 491 Directed Readings 1-3 credits

Readings and reports on selected texts. Prerequisite: permission.

ITAL 498 Italian Studies Thesis 1 credit

Thesis permission only

ITAL 499 Comprehensive 1 credit

Japanese

Lower Division Courses

JPNE 100 Japanese for Travelers 3 credits

Acquisition of useful vocabulary, phrases, sentence patterns for getting around in Japan. The students will acquire cultural understanding for better communication with Japanese speakers. Summer.

JPNE 101 Elementary Japanese I 4 credits

Grammar, composition, conversation, and discussion of cultural topics. Mastery of hiragana, katakana, and approximately 50 kanji (Chinese characters). Fall.

JPNE 102 Elementary Japanese II 4 credits

A continuation of JPNE 101. 150 kanji in addition to those introduced in JPNE 101. Spring. Prerequisite: JPNE 101 or permission.

JPNE 201 Intermediate Japanese I 4 credits

Intensive Oral Work to develop fluency in the language; written composition and reading at the intermediate level. 200 kanji in addition to those introduced in JPNE 102. Fall. Prerequisite: JPNE 102 or permission.

JPNE 202 Intermediate Japanese II 4 credits

A continuation of JPNE 201. 200 kanji in addition to those introduced in JPNE 201. Spring. Prerequisite: JPNE 201 or permission.

JPNE 290 Japanese Tutoring 1 credit

This course is designed to train Japanese language tutors to assist Japanese language learners. The course focus is on practical experience. Tutors will meet regularly with their pupils. May be repeated for up to four credits. Prerequisite: Native speakers of Japanese or permission.

Upper Division Courses

JPNE 301 Advanced Japanese I 3 credits

Intensive oral work to develop fluency in the language; written composition and reading at the advanced level. 200 kanji in addition to those introduced in JPNE 202. Fall. Prerequisite: JPNE 202 or permission.

JPNE 302 Advanced Japanese II 3 credits

A continuation of JPNE 301. 200 kanji in addition to those introduced in JPNE 301. Spring. Prerequisite: JPNE 301 or permission.

JPNE 305 Advanced Japanese III 3 credits

Designed to meet the needs of advanced students and to improve further skills in reading, writing, listening and speaking. Prerequisite: JPNE 301 or permission.

JPNE 350 (INST 360) Japanese Culture I 3 credits

This course is designed to introduce students to fundamental Japanese culture. Some of the areas covered by this course will be human relations at work and in school, etiquette, customs, traditions and social issues. (This course will be taught in English). On sufficient demand. Prerequisite: second year standing.

JPNE 351 (INST 361) Japanese Culture II 3 credits

This course focuses on Japanese values, attitudes and behaviors. The students will learn strategies for communication with Japanese people. (This course will be taught in English). On sufficient demand. Prerequisite: Second year standing.

JPNE 491 Directed Reading 1-3 credits

Selected readings by arrangement. May be repeated. Prerequisite: Permission.

Spanish

Lower Division Courses

SPAN 101 Elementary Spanish I 4 credits

Introduction to the fundamental language skills of listening, speaking, reading, and writing Spanish.

SPAN 102 Elementary Spanish II 4 credits

A continuation of SPAN 101. Prerequisite: SPAN 101.

SPAN 201 Intermediate Spanish I 4 credits

Review of the fundamentals of grammar and syntax. In addition to work in spoken Spanish there are progressive exercises in reading and composition. Prerequisite: SPAN 102 or permission.

SPAN 202 Intermediate Spanish II 4 credits

A continuation of SPAN 201. Prerequisite: SPAN 201 or permission.

SPAN 203 Intermediate Spanish III 4 credits

A continuation of SPAN 202. Prerequisite: SPAN 202 or permission.

SPAN 206 Spanish Conversation 3 credits

Development of oral expression in Spanish within a correct grammatical framework. Prerequisite: SPAN 102.

SPAN 280 Special Topics 1-3 credits

By arrangement only. On topic selected by student-teacher consultation. Prerequisite: permission.

Upper Division Courses

SPAN 301 Advanced Spanish I 3 credits

Advanced grammar and composition. A review of specific grammatical constructs most fundamental to effective oral and written communication. Prerequisite: SPAN 203.

SPAN 303 Survey of Spanish Literature I 3 credits

Readings and discussions of major works from the origins to the Golden Age. Alternate years. Prerequisite: SPAN 301 or permission.

SPAN 304 Survey of Spanish Lit II 3 credits

Continuation of SPAN 303; Golden Age to the present. Alternate years. Prerequisite: SPAN 301 or permission.

SPAN 306 Advanced Conversation 3 credits

Designed for those who wish to continue improving their listening and speaking skills. Prerequisite or corequisite: SPAN 301

SPAN 307 (INST 316) Survey Latin-American Lit I 3 credits

A study of the region's literary classics from the pre-Columbian period to the Independence in the early 19th century. Fall, alternate years. Prerequisite: SPAN 301 or permission.

SPAN 308 (INST 317) Survey Latin-American Lit II 3 credits

A study of the major literary works from the Independence period through Modernism and the classic works of the 20th century. Spring, alternate years. Prerequisite: SPAN 301 or permission.

SPAN 325 (SOCI 325) Mexican American Experience 3 credits

This course will study the historical development of Mexican American society and culture from 1848 to the present, stressing themes of assimilation, acculturation and social prejudice. Analysis of specific works of Mexican American literature, theater and film that focus on the above themes will comprise the second half of the course. Prerequisite: SPAN 301 or permission.

SPAN 340 (INST 341) Contemp Issues of Hispanic World 3 credits

Reading and/or discussion of social, political, economic or environmental issues of Hispanic world as presented by foreign media. Prerequisite: SPAN 301 or permission.

SPAN 401 Spanish Poetry 3 credits

This course studies the evolution of Spanish verse from origins to the present. Emphasis is on major poets and the effects of their writings on subsequent generations. Prerequisite: SPAN 301 or permission.

SPAN 403 Spanish Theater 3 credits

Spanish theater from its origins to the present. Emphasis on the significance of the Golden Age of theater to the evolution of this genre. Prerequisite: SPAN 301 or permission.

SPAN 404 Spanish-American Theater 3 credits

Spanish American theatre from colonial period to the present. Emphasis placed on the contemporary period and the theater that evolved subsequent to the Modernist period. Prerequisite: SPAN 301 or permission.

SPAN 405 Narrative Fiction in Spain 3 credits

Analysis of the historical evolution of the novel and short story and their literary antecedents in Spain, from origins to the present. Prerequisite: SPAN 301 or permission.

SPAN 406 (INST 406) Narrative Fiction in Spanish America 3 credits

The novel and short story in Spanish America during the twentieth century. Prerequisite: SPAN 301 or permission.

SPAN 408 The Spanish American Essay 3 credits

Overview of the history of Spanish American thought as expressed in this specific genre. Essay of post-independence period stressed. Prerequisite: SPAN 301 or permission.

SPAN 409 Span Civilization and Culture 3 credits

A study of Spanish history and the historical development of the country's art, music, architecture, social customs, and values. Prerequisite: SPAN 301 or permission.

SPAN 410 Span-Amer Civ and Culture 3 credits

A study of Spanish American history and historical development of the region's art, music, architecture, social customs and values. Prerequisite: SPAN 301 or permission.

SPAN 411 Mexican Culture 3 credits

Summer Session course in Mexico on Mexican society, art, history and literature. Prerequisite: SPAN 301 or permission.

SPAN 415 (INST 415) The Hispanic Cinema 3 credits

The course will focus on Spanish or Spanish American cinema, using representative films of these diverse countries to amplify student understanding of these complex societies. Prerequisite: SPAN 301 or permission.

SPAN 440 (WOMS 426) Women Writers in Spanish Lit 3 credits

The topics of this course will change periodically. Works will be considered within their social and ideological context. We will raise questions of power, knowledge, and explore the ways power impinges on being/body/tongue. Taught in English/Spanish. Prerequisite: SPAN 301 or permission.

SPAN 442 20th Century Latin Amer Women Literature 3 credits

Studies and analyzes narrative fiction (short stories and novels) and essays written by or about Latin American women writers since 1970. Prerequisite: SPAN 301 or permission.

SPAN 471 The Hispanic Community in U.S. 3 credits

Social outreach course: readings on, and volunteer work with Hispanic community. Prerequisite: SPAN 301 or permission.

SPAN 480 Seminar 3 credits

Specific topics to be chosen by professor. Prerequisite: SPAN 301 or permission.

SPAN 481 Seminar 3 credits

Specific topics to be chosen by professor. Prerequisite: SPAN 301 or permission.

SPAN 490 Directed Study 1-3 credits

Readings and reports on selected topics. By arrangement. Prerequisite: SPAN 301 or permission.

SPAN 491 Directed Reading 1-3 credits

Readings and reports on selected topics. By arrangement. Prerequisite: SPAN 301 or permission.

SPAN 499 Comprehensive 1 credit

Required of all majors in their fourth year. Prerequisite: SPAN 301 or permission.

Summer Session course in Mexico with emphasis on oral communication skills. Prerequisite: permission.

Spanish courses in Granada:

SPAN 290 Spanish Grammar Review. "Intensive" course in Granada 3 credits

SPAN 302 Conversation and Composition 3 credits

SPAN 305 Islamic Culture in Spain 3 credits

SPAN 321 Survey of Latin-American Literature 3 credits

SPAN 350 Spanish Culture and Civilization 3 credits

SPAN 419 Translation 3 credits

SPAN 420 Current Spanish Socio-Political Life 3 credits

SPAN 425 Contemporary Spanish History 3 credits

SPAN 427 Franco Era 3 credits

SPAN 428 Modern Spanish History 3 credits

SPAN 429 Latin American History 3 credits

SPAN 431 Golden Age Literature 3 credits

SPAN 433 Spanish Ancient and Medieval Art 3 credits

SPAN 434 Spanish Contemporary Art 3 credits

SPAN 436 19th and 20th Century Literature 3 credits

SPAN 438 Contemporary Spanish Poetry 3 credits

SPAN 446 Business Spanish 3 credits

SPAN 447 The European Union 3 credits

SPAN 470 Special Topics Study Abroad 3 credits

SPAN 482 Spanish Dialects 3 credits

(Students must complete SPAN 301 the semester before they apply for this program. Students must plan their Granada schedule with a Spanish faculty member. It is the responsibility of the student to arrange a meeting with a Spanish faculty member about Granada).

MUSIC

Chairperson: Robert Spittal
 Professors: E. Schaefer, J. K. Waters, S.J.
 Associate Professors: K. Hekmatpanah, R. Spittal,
 G. Uhlenkott, S.J.
 Instructor: D. Fague

The Music department offers the degrees of Bachelor of Arts in Music and the Bachelor of Arts in Music Education, as well as several minors in music. The Bachelor of Arts in Music has several possible emphases, including performance, composition, music literature, and liturgical music. The Bachelor of Arts in Music Education certifies the graduate to teach music in the elementary and secondary schools in the state of Washington and many reciprocating states.

Students majoring in music education may elect one of two tracks, choral and general music or instrumental and general music, or they may combine the tracks. Students should consult the School of Education for additional course requirements to obtain teacher certification.

All music majors are required to be involved in a major ensemble (orchestra, wind ensemble, or choir) and applied lessons in their major instrument each semester after declaration as a music major. Majors in the performance track are required to enroll in applied lessons for two credits every semester beginning the sophomore year. Students must audition to enter upper-division applied lessons (MUSC 331). All music majors are also required to pass a functional keyboard proficiency examination. Those students who are awarded music scholarships are required to be involved actively in the department, maintain high academic standards, and participate in a major ensemble and applied lessons each semester.

The instrumental and vocal ensembles are open, some through audition, to all students regardless of major. Individual lessons are also available in voice, piano, organ, guitar, woodwinds, strings, brass, and percussion.

B.A. Major in Music: 39-50 Credits

Lower Division Courses

MUSC 131 Applied Lessons	2 credits
MUSC 231 Applied Lessons	2 credits
or	
MUSC 231 Applied Lessons (performance emphasis only)	4 credits
MUSC 140, or 146, or 147 Ensembles	4 credits
MUSC 161 Music Theory I	3 credits
MUSC 162 Music Theory II	3 credits
MUSC 261 Music Theory III	3 credits
MUSC 262 Music Theory IV	3 credits

Upper Division Courses

MUSC 390 Music History I	3 credits
MUSC 391 Music History II	3 credits
MUSC 461 18th Century Counterpoint	3 credits
MUSC 462 Orchestration	3 credits

Music Literature Emphasis: 39 Credits

One music elective from (MUSC 375, 345, 346, or 347)	3 credits
MUSC 399 Research Methods and Materials	3 credits
MUSC 499 Senior Thesis	1 credit

Performance Emphasis: 44 Credits

MUSC 331 Applied Lessons	4 credits
MUSC 431 Applied Lessons	4 credits
MUSC 311 Conducting	2 credits
MUSC 325 Half Recital	0 credits
MUSC 425 Full Recital	0 credits

Composition Emphasis: 40 Credits

MUSC 364 Composition	2 credits
MUSC 464 Composition	4 credits
MUSC 311 Conducting	2 credits
MUSC 326 Composition Jr. Portfolio	0 credits
MUSC 426 Composition Sr. Portfolio	0 credits

Liturgical Music Emphasis: 50 credits

MUSC 331 Applied Lessons, primary instrument (keyboard or voice)	2 credits
MUSC 431 Applied Lessons, primary instrument (keyboard or voice)	2 credits
MUSC 131, 231 Applied Lessons, secondary instrument (keyboard or voice)	2 credits
MUSC 311 Conducting	2 credits
MUSC 325 Half Recital (primary instrument)	0 credits
MUSC 333 Applied Conducting	1 credit
MUSC 347 Music in the Catholic Church	3 credits
MUSC 451 Gregorian Chant	3 credits
MUSC 497 Internship	3 credits

Notes:

- at least two ensemble credits must be in MUSC 151 Gregorian Schola;
- students must attain at least upper elementary level proficiency on the second instrument (organ or voice);
- the internship must be structured in such a way that the student has some significant responsibilities in planning, preparing and executing music for a certain number of liturgies.

B.A. Major in Music Education: 48 - 55 Credits

Required Music Courses (all tracks)

Lower Division Courses

MUSC 131 Applied Lessons	2 credits
MUSC 231 Applied Lessons	2 credits
MUSC 140, or 146, or 147 Ensembles	4 credits
MUSC 161 Music Theory I	3 credits
MUSC 162 Music Theory II	3 credits
MUSC 261 Music Theory III	3 credits
MUSC 262 Music Theory IV	3 credits

Upper Division Courses

MUSC 311 Conducting	2 credits
MUSC 390 Music History I	3 credits
MUSC 391 Music History II	3 credits
MUSC 461 18th Cent. Counterpoint	3 credits
MUSC 462 Orchestration	3 credits

Required Music Education Courses (all tracks)

MUSC 354 Music Education Methods	3 credits
MUSC 133, 134, 135, 136 Brass, Woodwind, String, Percussion Methods	4 credits
MUSC 333 Applied Conducting	1 credit

Choral and General Track: 48 Credits

MUSC 140 Gonzaga University Choir	4 credits
MUSC 325 Half Recital	0 credits
MUSC 331 Applied Lessons (Voice)	2 credits

Instrumental and General Track: 48 Credits

MUSC 146 Wind Ensemble or MUSC 147 Orchestra	4 credits
MUSC 325 Half Recital	0 credits
MUSC 331 Applied Lessons (Instrument)	2 credits

Combined Choral, Instrumental and General Track: 54 Credits

MUSC 131, 231 Applied Lessons (second inst.)	4 credits
MUSC 140, 146 or 147 Ensembles (primary area)	4 credits
MUSC 140, 146 or 147 Ensembles (second area)	2 credits
MUSC 325 Half Recital (primary inst.)	0 credits
MUSC 331 Applied Lessons	2 credits

For the B.A. in Music Education degree additional credits of education courses are required. For required course information consult the School of Education and the Music department Handbook.

Minor in Music Performance: 20 credits

MUSC 131, 231, or higher Applied Lessons (one instrument)	4 credits
MUSC 140, 141, 146 or 147 Ensembles	4 credits
MUSC 161 Music Theory I	3 credits
MUSC 162 Music Theory II	3 credits
MUSC 171 Music in the Humanities	3 credits
Music Elective: (MUSC 175, 245, 246, 247)	3 credits

Minor in Jazz: 20 Credits

MUSC 131, 231 or higher Applied Lesson (one instrument)	4 credits
MUSC 142, 149, 152 Jazz Ensembles	4 credits
MUSC 161 Music Theory I	3 credits
MUSC 162 Music Theory II	3 credits
MUSC 175 Jazz History	3 credits
Music Elective: (MUSC 171, 245, 246, 247)	3 credits

Minor in Music Literature: 20 credits

MUSC 131, 231, or higher Applied Lessons (one instrument)	4 credits
MUSC 140, 141, 146 or 147 Ensembles	4 credits
MUSC 171 Music in the Humanities	3 credits
Music Elective: (MUSC 175, 245, 246, 247)	9 credits

Lower Division Courses

MUSC 121 Piano Class I 1 credit
Designed for the pianist with no previous keyboard skills or note reading ability. Emphasis is on basic terminology, technique, and musical concepts. Literature includes classical to contemporary.

MUSC 122 Piano Class II 1 credit
A continuation of MUSC 121, designed for both the student with some past keyboard experience and music majors preparing for the keyboard competency exam. Includes review of basics, plus technique, sight-reading, harmonizing, transposition, improvisation, and literature. Prerequisite: MUSC 121

MUSC 123 Guitar Class I 1 credit
Designed for the beginning guitarist. Emphasis on turning, position, chords, and basic reading skills.

MUSC 124 Guitar Class II 1 credit
A continuation of Guitar Class I. Prerequisite: MUSC 123

MUSC 125 Vocal Class 1 credit
Designed for the beginning vocalist. Emphasizes the development of basic techniques of breath management, posture, tone quality, and diction. Includes study of vocal theory, exercise materials, and an introduction to standard vocal literature.

MUSC 131A - V Applied Lessons 1-2 credits

MUSC 133 Brass Methods 1 credit
Designed to formulate principles for teaching the brass instruments. Discussion, demonstration, and performance on the brass instruments. Includes development of proper embouchure, tone production, intonation, range and tone quality. Representative repertoire and teaching materials studied.

MUSC 134 Woodwind Methods 1 credit
Designed to formulate principles for teaching the woodwind instruments. Discussion, demonstration, and performance on the woodwind instruments. Includes development of proper embouchure, tone production, intonation, range and tone quality. Representative repertoire and teaching materials studied.

MUSC 135 Strings Methods 1 credit
Designed to formulate principles for teaching the string instruments. Discussion, demonstration, and performance on the string instruments. Includes development of proper bowing, tone production, intonation, range and tone quality. Representative repertoire and teaching materials studied.

MUSC 136 Percussion Methods 1 credit
Designed to formulate principles for teaching the percussion instruments. Discussion, demonstration, and performance on the percussion instruments. Includes development of snare drum technique, proper grip, striking action, and tone quality. Representative repertoire and teaching materials studied.

MUSC 137 Choral Methods 1 credit

MUSC 140 Gonzaga University Choir 1 credit
Audition required.

MUSC 141 Gonzaga Chorale 1 credit
A choir open without audition to all members of the University and Spokane community. The Chorale sings works selected predominantly from the choral-orchestra repertoire.

MUSC 142 Jazz Choir 1 credit
Audition required. Prerequisite: MUSC 141 (may be concurrent).

MUSC 143 Chamber Singers 1 credit
Audition required. Prerequisite: MUSC 141 (may be concurrent).

MUSC 146 Wind Ensemble 1 credit
Audition or permission required.

MUSC 147 Symphony Orchestra 1 credit
Audition or permission required.

MUSC 148 Small Performance Ensemble 1 credit
Audition or permission required Prerequisite: MUSC 140 or MUSC 146 or MUSC 147.

MUSC 149 Jazz Workshop Combo 1 credit
Audition required Prerequisite: MUSC 146 (may be concurrent).

MUSC 150 Guitar Ensemble 1 credit
Audition required.

MUSC 151 Gregorian Schola 1 credit
An auditioned ensemble devoted to the singing of Gregorian chant and medieval and Renaissance polyphony. The schola sings for the weekly Gregorian liturgy on campus and occasional special events and concerts. Prerequisite: MUSC 140.

MUSC 152 Jazz Ensemble 1 credit
The Jazz Ensemble performs new and standard literature for big band/jazz orchestra. Membership in the Jazz Ensemble is limited to saxophones, trumpets, trombones, and rhythm section players. An entrance audition at the beginning of the fall semester is required. May be repeated for credit.

MUSC 154 Percussion Ensemble 1 credit
The Percussion Ensemble performs a wide variety of literature from standard to non-traditional and ethnic music. The ensemble will focus on learning to play a wide range of percussion instruments as well as working on rhythm, pulse, and playing with a group. Anyone interested in percussion, rhythm, and playing in a group is welcome.

MUSC 161 Music Theory I 3 credits
Basic analysis, the study of harmony through secondary dominants, rhythmic readings, sight-singing, melodic and harmonic diction. Introduction to musical forms.

MUSC 162 Music Theory II 3 credits
A continuation of MUSC 161. Prerequisite: MUSC 161.

MUSC 171 Music in The Humanities 3 credits
Historical survey of the development of music from antiquity to the present. Relationships between the other arts, philosophies, and social structures presented in context with the evolution of music. Emphasizes the understanding of music history through lecture, performance, and recordings.

MUSC 175 Jazz History 3 credits
A survey of music in the jazz idiom from its origins to the present. Chronological examination of the principal musicians and composers. Analysis of the more influential soloists, groups, and composers through the use of tapes and scores. Students develop a knowledge of the various periods styles, and forms.

MUSC 204 (BRCO 204) Fund of Audio Production 3 credits

A practicum dealing with the technical aspects of radio management, programming, and production. Emphasis will be placed on the mastering of all operational procedures. This course is a prerequisite for all participants in Gonzaga's FM radio station. Prerequisite: Permission. Fall and Spring.

MUSC 204L (BRCO 204L) Fund of Audio Production Lab 0 credits

Broadcasting requires completion of a form and dept. permission.

MUSC 221 Piano Class III 1 credit

A continuation of MUSC 122, designed for both the student with some past keyboard experience and music majors preparing for the keyboard skills competency exam. Includes review of fundamentals, technical sight-reading, harmonizing transposition, improvisation, and literature. Prerequisite: MUSC 122.

MUSC 222 Piano Class IV 1 credit

A continuation of MUSC 221, designed for both the student with some past experience and music majors preparing for the keyboard competency exam. Includes review of fundamentals, plus technique, sight-reading, harmonization, transposition, improvisation, and literature. Prerequisite: MUSC 221.

MUSC 223 Guitar Class III 1 credit

A continuation of Guitar Class II, this course provides a survey of guitar styles from classical to contemporary. Prerequisite: MUSC 124.

MUSC 224 Guitar Class IV 1 credit

A continuation of guitar Class III, this course provides an advanced survey of guitar styles and techniques from classical to contemporary. Emphasis on application in performance. Prerequisite: MUSC 223.

MUSC 225 Intro to Music and Technology 1 credit

Student in this course will be introduced to basic applications of computer-based music technology, including sequencing and basic digital recording.

MUSC 231A - V Applied Lesson 1-2 credits

Prerequisite: MUSC 131A - V.

MUSC 245 Music in Film and Television 3 credits

A course intended to provide a better understanding of music and its relationship to the visual image. A detailed study of the history and development of film music from the silent film era to the present. Analysis of important films and scores by prominent composers with extensive viewing of notable film sequences.

MUSC 246 The World of Opera 3 credits

An exploration of the high moments in the history of opera as well as an explanation of some common features of the genre constitute the principle ingredients of this course. By means of recordings and videotape, an ample sampling of opera productions punctuates the course through the semester.

MUSC 247 Music of the Catholic Church 3 credits

An exploration of the music of the Catholic Church from Gregorian chant to the popular styles of music following the Second Vatican Council. Special emphasis will be given to times in the Church's history when she has dealt with musical reforms: what were the issues, how did the reforms address them, and what was the result.

MUSC 248 Development of Western Music 3 credits

A survey of classical music, with particular attention paid to the influence of Italian composers and performers on the development of western music from the Renaissance to the present. Class will take advantage of its Italian and European setting to visit sites of musical significance such as La Scala opera house in Milan, St. Mark's Basilica in Venice and the home of Mozart in Salzburg. Florence campus only.

MUSC 261 Music Theory III 3 credits

Continuation of Music Theory II. Advanced ear-training skills, analysis, stylistic writing, and introduction to complex musical forms. Prerequisite: MUSC 162.

MUSC 262 Music Theory IV 3 credits

Continuation of Music Theory III. Twentieth-century and contemporary harmony and composition. Prerequisite: MUSC 261.

Upper Division Courses**MUSC 311 Conducting** 2 credits

Fundamental study of conducting and score reading and analysis skills applicable to instrumental and choral ensembles. Prerequisite: MUSC 262.

MUSC 325 Half Recital 0 credits

Presentation of recital requires successful audition, one month before recital date.

MUSC 326 Composition Portfolio 0 credits

Public performance and recording of two or more compositions written for MUSC 364. Required of composition emphasis music majors.

MUSC 331A - Applied Lesson 1-2 credits

Audition required Prerequisite: MUSC 231A - V.

MUSC 346 The World of Opera 3 credits

An exploration of the high moments in the history of opera as well as an explanation of some common features of the genre constitute the principal ingredients of this course. By means of recordings and videotape, an ample sampling of opera productions punctuates the course through the semester.

MUSC 347 Music of the Catholic Church 3 credits

An exploration of the music of the Catholic Church from Gregorian chant to the popular styles of music following the Second Vatican Council. Special emphasis will be given to times in the Church's history when she has dealt with musical reforms: what were the issues, how did the reforms address them, and what was the result.

MUSC 354 Music Education Methods 3 credits

Intended primarily for the music education major. Foundations, methods and materials for teaching instrumental and general music in the elementary and secondary schools.

MUSC 364 Composition 2 credits

Two semester course. In the first semester, required compositions include a song cycle and either an instrumental duo or trio; and in the second semester, an a capella vocal piece and a work for solo instrument, sonata length. Prerequisite: MUSC 262.

MUSC 375 Jazz History 3 credits

A survey of music in the jazz idiom from its origins to the present. Chronological examination of the principal musicians and composers. Analysis of the more influential soloists, groups, and composers through the use of audio and video recordings. Students develop knowledge of the various periods styles, and forms. Students submit a research paper on a specific jazz artist, or jazz style. Only music majors are eligible to register for this course at the 300 level. Non-majors should register for MUSC 175.

MUSC 390 Music History I 3 credits

Survey of music history and literature from the Medieval, Renaissance, Baroque and Classical Periods. Discussion of prominent composers and their influence on the stylistic features of the period. Prerequisite: MUSC 162.

MUSC 391 Music History II 3 credits

Survey of music history and literature from the Romantic and Contemporary Period. Discussion of prominent composers and their influence on the stylistic features of the period. Prerequisite: MUSC 390.

MUSC 399 Research Methods and Materials 3 credits

Continuation of MUSC 311. Emphasizes development of advanced instrumental conducting skills, including complex patterns, score reading, score preparation, and rehearsal techniques. Prerequisite: MUSC 311.

MUSC 425 Full Recital 0 credits

Presentation of recital requires successful audition 1 month prior to recital date. One course of MUSC 431A-N required as a co-requisite.

MUSC 426 Composition Portfolio 0 credits

Public performance and recording of one or more compositions written for MUSC 364 or MUSC 464. Works performed for MUSC 326 are ineligible to meet this requirement. Required of composition emphasis music majors. Prerequisite: MUSC 463.

MUSC 431A - V Applied Lesson 1-2 credits

Prerequisite: MUSC 331A - V.

MUSC 451 Gregorian Chant 3 credits

The study and performance of Gregorian Chant. The course includes and examination of the principle sources of chant melodies and texts, the liturgical role of chant, and three systems of notation (Loan, St. Gall, Vatican) used for chant, and a study of the liturgical role of chant. Analysis, paleographic comparisons, singing and conducting will be regular activities. Spring.

MUSC 461 18th Century Counterpoint 3 credits

The study of 18th century counterpoint. Evaluation materials will include both analysis and composition. Prerequisite: MUSC 262.

MUSC 462 Orchestration 3 credits

Study of instruments in the band and orchestra regarding range, color, quality, and technical restriction as applied to scoring for solo and ensemble performance. Prerequisite: MUSC 262.

MUSC 464 Advanced Composition 2 credits

This course is intended for students who have completed MUSC 311, and are interested in the advanced study of conducting techniques and score reading. Permission required. Prerequisite: MUSC 364.

MUSC 490 Directed Study/Readings 1-3 credits

Directed Study/Readings requires completion of a form, and dept. permission.

MUSC 497 Internship 1-3 credits

Supervised practicum in a parish setting. The intern will work with a parish musician with a mutually agreeable schedule of tasks, at least some of which will include taking full responsibility for planning and implementing the music for selected liturgies.

MUSC 499 Senior Thesis 0 credits

For fourth year music majors in the Music Theory and Literature emphasis. A major research paper on a selected topic. This course serves as a comprehensive demonstration of the student's work in music.

PHILOSOPHY**PHILOSOPHY**

Chairperson: Brian Steverson

Professors: M. Alfino, W. Pomerleau, T. Rukavina (Emeritus),

R. Spitzer, S.J., R.M. Volbrecht, T. Jeannot

Associate Professors: D. Calhoun, B. Clayton, D. Kries,

Q. Liu, W. Ryan, S.J., B. Steverson, M. Tkacz, R.

McClelland, J. Wagner, T. Clancy, S.J.

Assistant Professor: T. DiMaria, E. Schmidt

Philosophy has played a central role in Jesuit education since its inception, a tradition that is reflected by the place of philosophy in the Gonzaga University core curriculum. Philosophy courses required as part of the University core curriculum for all undergraduate programs aid students in developing skills of thought and logical analysis (PHIL 101), introduce students to sustained reflection on basic questions of human nature and personhood (PHIL 201), and examine the practical and theoretical considerations relevant to human morality and value (PHIL 301). The 400-level elective requirement vitally contributes to a liberal arts education by giving the student critical distance, through philosophical reflection, from immediate involvement in career, professional, academic, and human concerns.

The Philosophy department also offers courses leading to the Bachelor of Arts degree with a major or minor in philosophy. Beyond courses required by the University core, students must complete an additional nine credits of upper-division course work for a philosophy minor, and twenty-seven additional upper-division hours for the philosophy major. Two special features of the philosophy major curriculum are the Philosophy Major Proseminar, which orients new philosophy majors to the main issues and problems in philosophy and offers practice in philosophical writing, and the Senior Seminar. Philosophy majors should register for the Proseminar as soon as possible after declaring a philosophy major, normally in the fall of their Junior year; the Senior Seminar is a capstone course in the spring of the senior year.

An undergraduate major in philosophy is useful preparation for a variety of careers. The focus on logic, argumentation, and moral theory is valuable to students with career plans in law. Students with interests in business, public policy, or government service can benefit from the many courses which provide reflective analysis on the ways in which political, moral, and social values are embedded in social institutions. A degree in philosophy can be valuable when applying to a variety of professional schools which actively look for liberal arts majors and to employers who do the same.

Transfer students who have taken philosophy courses at other institutions may have some or all of the core courses substituted if, in the judgment of the department, they are equivalent to those courses required at Gonzaga and if a grade of "C" or better was earned.

B.A. Major in Philosophy: 38 Credits**Lower Division Courses**

PHIL 101 Critical Thinking 2 credits

PHIL 201 Philosophy of Human Nature 3 credits

Upper Division Courses

PHIL 301 Ethics 3 credits

PHIL 400 Philosophy Major Proseminar 3 credits

PHIL 401 History of Ancient Philosophy 3 credits

PHIL 405 History of Medieval Philosophy 3 credits

PHIL 410 History of Modern Philosophy 3 credits

PHIL 420 Contemporary Philosophy 3 credits

PHIL 400 level Electives* 12 credits

(cannot include PHIL 402 or PHIL 412)

PHIL 499 Senior Seminar in Metaphysics/Epistemology 3 credits

* Majors in philosophy should choose their electives carefully in consultation with their advisors and in the light of their philosophical interests and academic objectives. PHIL 402 and 412 will not count for elective credit for philosophy majors.

Minor in Philosophy: 20 Credits**Lower Division Courses**

PHIL 101 Critical Thinking 2 credits

PHIL 201 Philosophy of Human Nature 3 credits

Upper Division Courses

PHIL 301 Ethics 3 credits

PHIL 400 Level Electives 12 credits

Lower Division Courses**PHIL 101 Critical Thinking** 2 credits

The philosophy component of the Thought and Expression sequence. Focus on formal (syllogistic, propositional) and informal (fallacies, induction, etc) logic. Fall and Spring.

PHIL 102H Critical Thinking-Philosophy 3 credits

The philosophy component of the Thought and Expression sequence for Honors students. Fall Prerequisite: Honors.

PHIL 201 Philosophy of Human Nature 3 credits

A systematic study of human nature and what it might involve. Focus on appetitive and cognitive processes, the problems of freedom, immortality, and personal integration. Fall and Spring Prerequisite: PHIL 101 or PHIL 102H.

PHIL 201H Philosophy of Human Nature Honors 3 credits

A systematic study of human nature and what it might involve. Focus on appetitive and cognitive processes, the problems of freedom, immortality and personal integration. Fall. For Honors students Prerequisite: 102H.

PHIL 271 Community Outreach 3 credits
A course on volunteer work with both classroom and volunteer field work components. This course does not satisfy any philosophy core, major, or minor requirements. On sufficient demand.

Upper Division Courses

All 400-level courses have PHIL 301 as a prerequisite and are contingent on demand and faculty availability unless otherwise specified.

PHIL 301 (WOMS 237C) Ethics 3 credits
A general theory of the goals of human life and the norms of moral behavior; the theory will be applied to several specific moral problems. Fall and Spring. Prerequisite: PHIL 201 or PHIL 201H and second semester sophomore standing.

PHIL 301H Ethics-Honors 3 credits
A general theory of the goals of human life and the norms of moral behavior; the theory will be applied to several specific moral problems. Fall Prerequisite: PHIL 201H.

PHIL 389 Ethics and Service Learning 1 credit
A service learning seminar that may be taken in conjunction with specified sections of PHIL 301. Students discuss and apply ways by which to communicate with Spokane-area youth (primarily middle- and high-school age) what they are learning about ethics and character. Co-requisites: PHIL 301 (specified sections) Prerequisite: PHIL 201 or PHIL 201H.

PHIL 390 Medical Ethics Internship 1-3 credits
Application of concepts from medical ethics in a clinical setting.

PHIL 400 Philosophy Major ProSeminar 3 credits
An introduction to the major topics in philosophy with a special emphasis on practice in philosophical writing. Fall Prerequisites: PHIL 301 (WOMS 237C) or PHIL 301H and Major status. Philosophy majors should register for the Proseminar as soon as possible after declaring a philosophy major, normally in the spring of the sophomore year.

PHIL 401 History of Ancient Philosophy 3 credits
A survey of major figures and developments in ancient Greek and Hellenistic philosophy from Thales to Plotinus, using texts in translation. Major or minor status or permission. Fall. Prerequisite: PHIL 301 (WOMS 237 C) or PHIL 301H.

PHIL 402 Ancient-Medieval Philosophy 3 credits
A study of important philosophers in the ancient and medieval periods. This course is designed for non-majors and cannot count towards a philosophy major. Prerequisite: PHIL 301 (WOMS 237C).

PHIL 403 Contemporary Ethical Theory 3 credits
This course will explore developments in ethical theory in the later twentieth century. Prerequisite: PHIL 301.

PHIL 405 History of Medieval Philosophy 3 credits
A survey of Christian philosophy in the Latin West focusing on such major figures as St. Augustine, St. Thomas Aquinas, and William of Ockham. Spring. Prerequisite: PHIL 401 (WOMS 237C) or permission.

PHIL 406 Philosophy of St Augustine 3 credits
A survey of St. Augustine's philosophy of God and the universe with special attention to Augustine's pivotal role in summing up Greek and Roman thought and laying the foundation for Medieval thought. Prerequisite: PHIL 301..

PHIL 407 St. Thomas Aquinas 3 credits
Life, works, and selected texts and problems. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H

PHIL 409 Social Justice 3 credits
This course will critically consider famous theories of justice, as well as their applications to some social and moral problems. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 410 History of Modern Philosophy 3 credits
A survey from Descartes through Hegel. Philosophy majors are strongly urged to take this course only after completing PHIL 401 and PHIL 405. Prerequisites: PHIL 301 (WOMS 237C) or PHIL 301H and Major/Minor status or permission.

PHIL 412 Modern-Contemporary Philosophy 3 credits
A study of important philosophers in the modern and contemporary periods. Course is designed for non-majors and cannot count towards a Philosophy Major. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 413 Philosophy of Mysticism 3 credits
What is mysticism? Is there a common element in all forms of mysticism? What is the connection between mysticism and mental health/disease? What is the relationship between mysticism and the paranormal? Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 415 Ethics and the Internet 3 credits
This course considers various ethical issues raised by the recent widespread adoption of internet technologies in the US and around the world. We'll consider issues such as online privacy and identity, law enforcement vs. civil liberties in cyberspace, the existence and implications of the "digital divide," the status of internet access as a privilege or a right, and obligations of professionals and private citizens when communicating online. No background in computer science is required for this course, but experience or comfort with the internet will prove helpful. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 416 Marxism 3 credits
The major writings of Marx, Engels, and Lenin. The relation between Marxist theory and revolutionary practice. Contemporary problems in Marxism. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 419 Happiness 3 credits
In one form or another, the nature of happiness has always been a central concern of philosophical reflection. In recent years, a new body of psychological research has made interesting contributions to our understanding of happiness. Specifically, Mihaly Csikszentmihalyi's work on "flow" and Martin Seligman's research on happiness will be considered. This course will sample some of this research and bring it into dialogue with traditional philosophical texts from Western and Eastern philosophy, such as Epicureanism, Stoicism, Taoism, and modern movements such as Existentialism, Liberalism, and Marxism. We will also consider very recent philosophical work on the nature of happiness. Along with this study, we will ask historiographic questions about how the philosophical problem of happiness is temporally and culturally conditioned. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 420 Contemporary Philosophy 3 credits
A survey of major figures from the post-Hegelian period to the present. Spring. Prerequisite: PHIL 410 or PHIL 301 (WOMS 237C) or PHIL 301H or permission

PHIL 421 American Philosophy 3 credits
A study of major figures in the American philosophical tradition. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

PHIL 422 Postmodern Thought 3 credits
This course begins with a review of the meaning of philosophical and cultural modernism, covers several of the major founding thinkers of the postmodern movement: Jacques Derrida, Michel Foucault, and Francois Lyotard. From its beginnings in the revolutionary atmosphere of the French student rebellion, we move to postmodern thinkers in the analytic and post-analytic tradition, including the later Ludwig Wittgenstein and Richard Rorty. This course concludes with a survey of postmodern culture, sampling specific developments in fields such as architecture, music and contemporary art. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

- PHIL 423 Process Philosophy** 3 credits
Philosophers such as Bergson and Whitehead, who regard creative process as the essence of the real. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 424 Existentialism** 3 credits
The movement from Kierkegaard to the present. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 425 Phenomenology** 3 credits
Some proponents of phenomenological philosophy stemming from Husserl. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 426 Existential Psychology** 3 credits
A study of important existentialist philosophers and their influence upon psychology and psychologists. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 427 Analytic Philosophy** 3 credits
A survey of 20th century Anglo-American philosophy. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 428 Philosophical Hermeneutics** 3 credits
Allied with phenomenology, philosophical hermeneutics struggles not only with interpreting patterns of meaning in classical philosophical texts, but also with interpreting patterns of meaning in human existence, based on the model of the text. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 430 Metaphysics** 3 credits
A systematic ordering and development of the perennial questions concerning being and existence; unity, diversity, truth, value, causality, and transcendence; the existence and nature of God. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 432 Philosophy of Education** 3 credits
Representative thought regarding educational agents, aims, and curricula. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 433 Philosophy of Psychology** 3 credits
Systematic philosophical investigation of primary psychological phenomena such as the emotions, intentions, explanations of actions, motivational systems, the nature of self-deception, weakness of will, and the nature of the self. Consideration will be given to general theories of psychopathology and to various major psychological schools of thought. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 434 (INST 396) Chinese Philosophy** 3 credits
A survey of the history of Chinese Philosophy focusing on the Confucian tradition and taking other traditions such as Taoism and Buddhism into account. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 437 Philosophy of Time** 3 credits
This course examines the question "What is time?" This is done by looking at ancient and modern arguments surrounding the structure, experience and models of time. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 438 Phil of Love and Friendship** 3 credits
Survey and analysis of influential accounts of love and friendship, including treatments of erotic/romantic love, friendship, and charity, within a framework provided by C.S. Lewis' classic study *The Four Loves*. Special attention will be given to the relation between views of love and the nature of happiness, proper treatment of others, human desire and psychology, character, self-love, and religious devotion. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 439 Christian Metaphysics** 3 credits
The course is divided into three parts:(1) the Metaphysics of Nature, which studies the principles of created being and the necessity of divine being as its source (2) the Metaphysics of Being, which studies being in its most generic characteristics, and (3) the Metaphysics of God, which studies the nature of divine being as far as it can be understood by human beings. Among the topics to be considered are: act and potency, causality and chance, the cosmological argument, substance and accident, necessity and contingency, ontological participation, transcendentals, the analogy of being, divine simplicity, and the Incarnation. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 440 Theory of Knowledge** 3 credits
Problems, positions, and synthesis of the modes of human knowing. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 441 Symbolic Logic** 3 credits
A detailed study of three basic logical systems: sentential logic, predicate calculus, and modal logic, all three with natural deduction for their proof systems. Some consideration is also given to philosophical issues raised by these systems (e.g. the nature of the logical connectives, the interpretation of quantifiers, semantics for modal systems, and the like). Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 443 Philosophy Of Science** 3 credits
Examination of recent developments in the philosophy of science and its treatment of the nature and methods of the physical, biological, and social sciences. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 444 Science, Technology, and Social Values** 3 credits
Examines the relationship between science and technology, particularly modern technology, and the effect of science and technology on culture and values. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 445 Evolution and Creation** 3 credits
Readings by scientists, theologians and philosophers on issues raised by the theory of evolution. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 446 Philosophical Reflections on Christianity and Science** 3 credits
Philosophical inquiry into the historical relationship between Christian religious doctrine and the knowledge imparted by the sciences, with focus on particular episodes such as the Galileo affair and the Darwinian revolution. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 448 Philosophy of Mind** 3 credits
Treatment of the nature and functional capacities of the mind, and the philosophical problems raised by analysis of the mind, including mind and body, materialistic reductionism, other minds, freedom, and personality. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 450 Native American Philosophy** 3 credits
This course will study philosophy indigenous to Native America with an emphasis on the plateau region of Washington State through an examination of indigenous languages and cultural traditions. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 451 Political Philosophy** 3 credits
An examination of the nature and norms of political life, with attention to major historical themes in the light of contemporary relevance. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 452 Social Ethics** 3 credits
A consideration of the moral implications of communal life, including such topics as individual rights and distributive justice. Issues such as pornography, capital punishment, and affirmative action are treated. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 453 (INST 350) International Ethics** 3 credits
The moral structure of the international community in the context of problems such as war, foreign aid, and transnational migration. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 454 Metaethics** 3 credits
An advanced study of contemporary disputes in ethical theory and metaethics. It covers issues such as the meaning and ontology of moral value and language, the realism-antirealism debate, concerns in moral psychology, and the impact of evolutionary theory on ethics. In addition the course will also examine a range of competing, twentieth-century ethical theories. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 455 Health Care Ethics** 3 credits
Ethical concepts and issues in the medical field: personhood, relationship between health care professional and patient, experimentation, rights to health care, and allocation of health care resources. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 456 (WOMS 435) Feminist Ethics** 3 credits
Explores women's experiences of oppression and some of the ways in which this has marginalized their concerns and their perceptions of the moral dimension. Feminist contributions to rethinking the concept of moral agency, the traditionally sharp distinction between the public and private domains, the relevance of personal relationships to ethics, and the process of moral development and moral decision-making are considered Spring, odd years. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.

- PHIL 457 Business Ethics** 3 credits
The philosophic basis of business and its relation to social development. Responsibilities of the business community to society and the individual. The relationship between economic theories and philosophical approaches. Fall and Spring. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 458 Environmental Ethics** 3 credits
The detailed philosophical study of humanity's understanding of its relationship to the natural environment, concentrating on historically prominent conceptions of that relationship, and the philosophical foundation of the contemporary "environmental movement." Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 460) Gender and Hlth Care Ethics** 3 credits
This course will explore ethical issues in health care with an emphasis on gender. The course will explore both traditional and feminist approaches to health care ethics, considering how a feminist ethics perspective challenges, expands, and sometimes transforms the discipline of health care ethics. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 462 Ethical-Social Issues in Engr** 3 credits
This course is designed for engineering majors. It will introduce them to some of the general ethical concerns facing the profession of engineering, some of the perennial as well as new social challenges facing engineers (e.g. the increasing impact of technology on society), and a number of the landmark cases of ethical concern in the history of engineering. The goal is to instill in the students both a genuine concern for the social/ethical dimension of their profession and work, as well as a set of basic intellectual tools to use when confronted with ethical dilemmas in their career. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 464 Magic/Mysticism Medieval to Rens. Culture** 3 credits
This course examines the philosophical and cultural understandings of magic and mysticism in the transition from Medieval to Renaissance Culture, especially the emerging culture of scientific practices. We will begin by looking at some late Roman and early Christian attitudes toward magic and some aspects of mystical thought in the medieval period. The course considers magic and mysticism from a philosophical point of view and in connection with Medieval Christian Philosophy, as well as examining similarities and differences between magical practices and scientific practices. The class will learn about magical symbolism in renaissance art and visit museum sites for this purpose. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 465 Philosophy Of Religion** 3 credits
Philosophical investigation of the rational justification of religious faith. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 466 (RELI 491) Philosophy of God** 3 credits
Philosophical views about God and our knowledge of God. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 467 Faith and Reason** 3 credits
This course will address a cluster of fundamental problems of faith and reason- the nature of knowledge, especially in connection with religious claims, evidence for the existence of God, the relevance of recent advances in cosmology to the christian world view, the problem of evil and suffering, and the challenge of atheism. Spring Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 470 Philosophy Of Law** 3 credits
The sources, structure, and function of human law and its relations to moral law. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 471 Philosophy Of Literature** 3 credits
What is literature and what is it for? This course considers a variety of answers to these questions by both philosophers and writers. This course is sometimes organized historically covering major developments in Western thought about literature including Platonic, Renaissance, Romantic and Contemporary. Other semesters the course is organized systematically with a heavy emphasis on theories of interpretation, each of which entails a view of the nature of literary language. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 472 (VART 466) Philosophy of Art** 3 credits
An analysis of beauty, creativity, and taste according to the theories of Plato, Aristotle, Aquinas, and selected contemporary philosophers. Several representative works from all areas of the fine arts are examined in the light of the aesthetic principles of classical philosophy. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 473 Philosophy of History** 3 credits
A study of the philosophical presuppositions of historical method and of the meaning or goal of historical process. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H
- PHIL 474 Philosophy Of Sport** 3 credits
A study of sport as an important, unique, and fundamental activity of human beings, exploring how experiences encountered in athletic activity shed light on classical philosophical problems. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 475 Philosophy of the Visual Arts** 3 credits
Examines contemporary applied theories of art in a variety of visual art media including painting, sculpture, film, and photography. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 476 Racism, Slavery, and Evil** 3 credits
A study of events in the history of slavery, reconstruction, the Jim Crow era, the civil rights struggle in terms of different philosophers' accounts of the nature of human evil. In addition to the focus on evil, we will discuss philosophically the complexities and adequacy of some of the responses to the evils we study. This course satisfies the Social Justice requirement of the College of Arts and Sciences. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 485 Philosophy in Film** 3 credits
An exploration of the cognitive significance of the emotions and their use in contemporary films. The course advances a detailed analysis of emotions and their cognitive status, and explores our emotional responses to films, together with some consideration of traditional philosophical problems raised by these films (nature of a person, the mind-body problem, freewill), and epistemological issues reaided by film techniques. Summer.
- PHIL 486 Seminars** 3 credits
Topics will vary. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 487 Seminar** 3 credits
Topics will vary. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 488 Seminars** 3 credits
Topics will vary. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 489H Honors Seminar** 3 credits
Topics and credit by arrangement. Prerequisite: Honors and permission. Spring or Fall. Prerequisite: PHIL 301H.
- PHIL 490 Directed Study** 1-6 credits
Credits and topics by arrangement. Prerequisite: permission. Prerequisite: PHIL 301 (WOMS 237C) or PHIL 301H.
- PHIL 495 Study Abroad Special Topics** 1-15 credits
For department use only
- PHIL 498 Research** 1-3 credits
Course requires permission of instructor and department chair.
- PHIL 499 Sr Sem-Metaphysic-Epistemology** 3 credits
Each student will present a number of short papers on metaphysical and/or epistemological topics. Students will develop and defend philosophical positions for discussion by the class. Spring. Prerequisite: fourth year standing, philosophy major, PHIL 301 (WOMS 237C) or PHIL 301H.

PHYSICS

Chairperson: Eric Kincanon

Professors: J. Bierman, J. Byrne (Emeritus),

S. Hoffmaster, E. Kincanon, A. Greer

Assistant Professors: D. Garvey

The Department of Physics offers Bachelor of Science and Bachelor of Arts degrees in physics. Students are expected to declare their major in this area in their freshman year; students in their sophomore year and students in the Florence program, however, can be accommodated by special arrangement with the department.

The Bachelor of Science is designed as a terminal degree. Students who are considering graduate school studies should plan on taking additional course work. Students should be able to work out a four-year course of study with their advisor that will satisfy graduate school requirements. Physics majors interested in careers in health sciences should discuss course requirements and potential accommodations with a physics faculty member.

Majors in physics are expected to achieve a familiarity with computer programming.

Students planning on majoring in physics and attending medical school should meet with a Physics faculty member as early as possible to discuss course scheduling and potential course substitutions for particular degree requirements. Students may rather elect to earn a B.A. Physics degree. The basic degree requirements for the B.A. Physics degree are essentially the same as the B.S. Physics degree except that rather than choosing two additional upper division PHYS courses, as the B.S. degree requires, the B.A. degree requires two courses from any area that are agreed to by the department chair. The B.A. physics degree is intended to better allow College of Arts and Sciences students to complete double majors, therefore, students who earn a B.A. Physics degree must also be earning a B.A. degree in another College of Arts and Sciences department.

More information is available on the department's website at <http://www.phy.gonzaga.edu/>.

B.S. Major in Physics: 52 Credits

Lower Division Courses

PHYS 103 & 103L Scientific Physics I	4 credits
PHYS 204 & 204L Scientific Physics II	4 credits
PHYS 205 20th Century Physics	3 credits
PHYS 217 Modern Physics Lab	2 credits
CHEM 101 or 105 (with pertinent labs)	4 credits
CPSC 121 Computer Science I	3 credits
MATH 157, 258	8 credits
PHYS 210 Linear Electronics	2 credits

Upper Division Courses

PHYS 300 Mathematical Methods	3 credits
PHYS 301 Intermediate Mechanics	3 credits
PHYS 306 Electricity and Magnetism	3 credits
PHYS 310 Intermediate Laboratory	2 credits
PHYS 464 Quantum Physics	3 credits
MATH 350 Elementary Numerical Analysis	3 credits

In addition, at least two of the following courses:

PHYS 307 Optics
PHYS 402 Advanced Mechanics
PHYS 407 Electricity & Magnetism II
PHYS 409 Nuclear & Particle Physics
PHYS 450 Statistical Physics
PHYS 465 Advanced Quantum Physics

Physics majors are also encouraged to take:

MATH 259 Calculus III
MATH 260 Ordinary Differential Equations
MATH 339 Linear Algebra
and additional CPSC courses.

Minor in Physics: 28 Credits

Lower Division Courses

PHYS 103 & 103L & 103R Scientific Physics I	4 credits
PHYS 204 & 204L & 204R Scientific Physics II	4 credits
PHYS 205 Twentieth Century Physics	3 credits
MATH 157 and 258	8 credits

Upper Division Courses

PHYS--Electives	9 credits
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Courses that can be counted as a minor elective are any 300 or 400 level course other than PHYS 300. For chemistry and engineering students consideration of their course work for their major has led to credit for part of the minor. These students, after finishing 205, need only get the following PHYS credits:

Chemistry:	6 credits
(Assuming that physical chemistry is taken for the major.)	
Civil Engineering:	8 credits
Mechanical Engineering:	8 credits
Computer Engineering:	9 credits
Electrical Engineering:	5 credits
(Electrical engineering students must take courses other than PHYS 306 to satisfy the minor elective.)	

Lower Division Courses

PHYS 100 Conceptual Physics	3 credits
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The basic principles of physics are covered in a descriptive (non-mathematical) manner. Designed for students not majoring in the natural sciences or those needing a very basic background in physics. Fall and Spring.

PHYS 100L Conceptual Physics Laboratory	1 credit
Taken concurrently with PHYS 100. Two hours of laboratory.	

PHYS 101 General Physics I	3 credits
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Mechanics, fluids, and sound. Three hours of lecture with experimental demonstrations and problems. Not accepted as a prerequisite for any advanced work. Fall Prerequisite: High school algebra and trigonometry.

PHYS 101L General Physics I Lab	1 credit
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Taken concurrently with the lecture course PHYS 101. Three hours of laboratory. Fall and Spring.

PHYS 101R General Physics I Recitation	0 credits
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Must be taken concurrently with PHYS 101. Fall.

PHYS 102 Gen Physics II	3 credits
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Heat, light, electricity, magnetism, and modern physics. Three hours of lecture with experimental demonstrations and problems. Not accepted as prerequisite for any advanced work. Spring Prerequisite: PHYS 101.

PHYS 102L General Physics II Laboratory	1 credit
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Taken concurrently with the lecture course PHYS 102. Three hours of laboratory. Fall and Spring Prerequisite: PHYS 101L.

PHYS 102R General Physics II Recitation	0 credits
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Must be taken concurrently with PHYS 102. Spring.

PHYS 103 Scientific Physics I	3 credits
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Classical mechanics: dynamics, waves, and fluids. Three hours of lecture with experimental demonstrations and problems. Fall and Spring Prerequisite: MATH 157 or permission.

PHYS 103L Scientific Physics I Lab	1 credit
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Taken concurrently with the lecture course PHYS 103. Three hours of laboratory. Fall and Spring.

PHYS 103R Scientific Physics I Recite	0 credits
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Must be taken concurrently with PHYS 103. Fall and Spring Prerequisite: MATH 157.

- PHYS 110 Intro to Astronomy** 3 credits
This course is designed for the non-science major. A wide range of topics is covered in order to give an overview of what is currently known about the structure and evolution of the universe. Most areas of observational and theoretical astronomy do not go beyond basic high-school algebra.
- PHYS 110L Intro to Astronomy Lab** 1 credit
This laboratory familiarizes students with the constellations, methods in amateur astronomy. The course meets once weekly for two hours with a majority of the lab work done outside the classroom. Mathematics involved does not go beyond basic algebra and trigonometry.
- PHYS 125 Physics of Music and Sound** 3 credits
The nature of vibrations and waves will be studied and investigated at the introductory level. Vibrations, properties of waves, addition of waves and the resulting wave phenomena will be covered with an emphasis on their relationship to sound production and interpretation via the ear. This class is designed for non-science majors. The required mathematics will not exceed high school algebra.
- PHYS 125L Physics of Sound and Music Lab** 1 credit
PHYS 125L is optional with concurrent enrollment in PHYS 125. The course will further investigate topics from PHYS 125 involving the behavior of waves. The required mathematics will not exceed high school algebra and trigonometry.
- PHYS 130 Time** 3 credits
The course presents a survey of physics with time as the unifying concept. Topics covered include mechanics, conservation laws, special relativity, thermodynamics, and chaos. This course is designed for non-science majors.
- PHYS 150 Applying Scientific Method** 3 credits
Teaches the scientific method by applying it to current and familiar topics. Students move from relatively easy topics of investigation (e.g., the chances of being in an auto accident next year) to more in-depth investigations (e.g., whether global warming is a real phenomenon).
- PHYS 170H Honors Physics** 3 credits
Key physical theories and principles will be discussed from historical, societal, and physical perspectives. Prerequisites: High school algebra and Honors program permission.
- PHYS 170L Honors Physics Lab** 1 credit
Laboratory to accompany PHYS 170H.
- PHYS 204 Scientific Physics II** 3 credits
Thermodynamics, electricity and magnetism, and optics. Three hours of lecture with experimental demonstrations and problems. Fall and Spring. Prerequisites: PHYS 103 and MATH 258 or permission.
- PHYS 204L Scientific Physics II Lab** 1 credit
Taken concurrently with the lecture course PHYS 204. Three hours of laboratory. Fall and Spring. Prerequisite: PHYS 103L
- PHYS 204R Scientific Physics II Recite** 0 credits
Taken concurrently with the lecture course PHYS 204. Prerequisites: PHYS 103 and MATH 258.
- PHYS 205 Modern Physics** 3 credits
Special relativity, development and an introduction to quantum mechanics and other selected topics. Spring. Prerequisite: PHYS 204.
- PHYS 210 Introduction to Linear Electronics** 2 credits
This course is primarily a laboratory in which the student is introduced to basic concepts of linear electronics and laboratory technique. Passive electronic components such as resistors, capacitors, inductors, and diodes are studied in DC and AC applications. Students will learn to use test equipment such as digital meters and oscilloscopes. Much emphasis is placed on the operational amplifier, an active component with wide application. Basic transistor circuits, power supplies, and other areas are covered as well. One hour lecture and one three hour laboratory per week. Spring of even years. Prerequisite: PHYS 204 and PHYS 204 Lab.
- PHYS 217 Modern Physics Lab** 1 credit
Taken concurrently with PHYS 205, this course looks at laboratory examples of topics covered in PHYS 205. Fall of even years.
- PHYS 290 Sophomore Directed Reading** 1-3 credits
Directed reading in approved topics. Requires completion of a form, and Department permission.
- ### Upper Division Courses
- PHYS 300 Mathematical Methods** 3 credits
Survey of mathematical techniques used in upper division physics courses. Fall. Prerequisite: PHYS 204.
- PHYS 301 Intermediate Mechanics** 3 credits
Particle and rigid body statics and dynamics in a rigorous vectorial calculus treatment. A fundamental introduction to theoretical physics. Spring of even years. Prerequisite: PHYS 300 or equivalent.
- PHYS 306 Electricity and Magnetism** 3 credits
Electrical and magnetic phenomena leading to a development of Maxwell's equations and electromagnetic field theory. Fall of even years. Prerequisite: PHYS 300 or equivalent.
- PHYS 307 Physical Optics** 3 credits
Classical electromagnetic theory applied to optical phenomena. Spring of odd years. Prerequisite: PHYS 306 or equivalent.
- PHYS 310 Intermediate Laboratory** 2 credits
This course will discuss the major analytic techniques used in experimental physics through experiments in mechanics, heat, electromagnetism, and modern physics, and will apply these techniques to classic experiments. Fall of odd years. Prerequisite: PHYS 204L.
- PHYS 402 Advanced Mechanics** 3 credits
A continuation of PHYS 301 and extension to dynamics of particles, rigid bodies, and fluids by the use of Lagrangian and Hamiltonian formalisms. Fall of even years. Prerequisite: PHYS 301.
- PHYS 407 Electricity and Magnetism II** 3 credits
A continuation of PHYS 306; a study of advanced topics in E&M for graduate school preparation. Spring of odd years. Prerequisite: PHYS 306.
- PHYS 409 Nuclear and Particle Physics** 3 credits
Study of experimental and theoretical aspects of nuclear interactions as they apply to nuclear structure and elementary particle characteristics. Spring of even years. Prerequisite: PHYS 205.
- PHYS 450 (CHEM 420) Statistical Physics** 3 credits
Study of thermal properties from microscopic and statistical viewpoints. Topics include: probability distributions, entropy, density of states, blackbody radiation. Spring of odd years. Prerequisite: PHYS 204.
- PHYS 464 Intro To Quantum Physics** 3 credits
The development of the Schrodinger equation and its application to various potential energy functions. Fall of odd years. Prerequisite: PHYS 300 or equivalent.
- PHYS 465 Quantum Physics** 3 credits
Advanced topics in quantum physics. On sufficient demand. Prerequisite: PHYS 464.
- PHYS 490 Directed Reading** 1-4
Directed reading in advanced topics. Requires completion of form, and department permission.
- PHYS 499 Senior Project** 0 credits
May be undertaken by B.S. physics majors in their senior year. Permission required.

POLITICAL SCIENCE

Chairperson: Robert Waterman
 Professors: B. Garvin, M. Leiserson
 Associate Professors: M. Connolly, S.J., M. Treleaven,
 S.J., R. Waterman
 Assistant Professors: L. Brunell, B. Jones, J. Isacoff

Courses in political science afford the student the opportunity to examine political thought and systems past and present. A Bachelor of Arts with a major or minor in political science provides an essential component of a liberal arts education, an enduring political education for citizens, a solid basis for graduate work, and a fine background for the study of law and the teaching or practice of politics.

Students majoring in this field are urged to take additional course work in the fields of economics, English literature, history, philosophy, psychology, and sociology.

In the fall or spring semester of their senior year, majors must take POLS 499, "Preparation for the Comprehensive"; this one credit seminar assists students in reviewing their departmental and related studies in preparation for comprehensive examination in November or April. Each exam will be based on the special interests and thematic questions which a student has pursued through courses and the major. The purpose of POLS 499, therefore, is to specify those interests and questions for each student, and to discover how they have or have not been answered.

The department also provides special counseling in preparation for graduate school or law school. For students planning a career in the teaching or practice of politics, in governmental administration, or in international affairs, special direction and assistance is also available from members of the department.

Programs for students preparing for secondary school teacher certification-- either a primary or a secondary endorsement-- are available (please contact the chairperson of the Political Science department and the chairperson of the Teacher Education department for details).

Political science majors are encouraged to take more than 31 credits, especially if considering postgraduate study.

B.A. Major in Political Science: 31 credit

Lower Division Courses

POLS 101 American Politics 3 credits

Upper Division Courses

POLS 302-329; 484 U.S. Govt. & Pol.:Two courses 6 credits

POLS 330-349; 486 Political Thought:Two Courses 6 credits

POLS 350-379; 487-88 Comp. Govt./Intl. Rel.:
Two Courses 6 credits

POLS - - Electives* 9 credits

POLS 499 Prep. for Comprehensive 1 credit

* Six semester credits of lower-division Political Science may be used if these lower-division credits were taken in the first or second years.

Minor in Political Science: 18 Credits

Lower Division Courses

POLS 101 American Politics 3 credits

Upper Division Courses

POLS 302-329; 484 U.S. Govt. & Politics 3 credits

POLS 330-349; 486 Political Thought 3 credits

POLS 350-379; 487-88 Comp. Govt./ Intl. Rel. 3 credits

POLS - - - Electives* 6 credits

* Three semester credits of lower-division political science may be used if these lower-division credits were taken in the first or second years.

Lower Division Courses

POLS 101 American Politics 3 credits

The American Constitution; the evolution of democracy; the structure of the national government. Congress; the Presidency; the courts. Political parties and interest groups. Public policy in domestic and foreign affairs. How to think about politics.

POLS 102 Political Thinkers and Actors 3 credits

Treatment of six distinctive figures in political life- philosopher, saint, prince, revolutionary, statesman, and citizen- in order to determine their characteristic contributions to an understanding of politics. Examples: Socrates, Thomas More, Machiavelli's Prince, Marx and Engels, the American Founding Fathers, and the students of the 1960's. A variety of materials used, including pamphlets, philosophical dialogues, essays, and dramas.

POLS 103 People and Politics World Wide 3 credits

Comparison of key political institutions, political attitudes, patterns of interaction, and long-term quarrels in France, Germany, Russia, China, Mexico, and Nigeria. How legislatures, executives, and political parties work and the influence of culture, social structure, ideology, and nationalism.

Upper Division Courses

POLS 300 American National Politics 3 credits

This course provides an in depth analysis of the five major institutions and processes of the U.S. government: Congress, President, Courts, Parties and Elections, and Bureaucracy.

POLS 303 Civil Liberties 3 credits

The current meaning of the Bill of Rights: freedom, privacy in and outside the home, equal protection and affirmative action, defendants "versus" society, property and economic rights. How the Supreme Court and the country can read the Constitution.

POLS 304 Crim Just Amends and Courts 3 credits

Study of the 4th, 5th, 6th and 8th Amendments to the Constitution and how they are applied in the criminal justice system. Focus on relevant case law, operation of the courts and law enforcement in the criminal justice system.

POLS 306 Congress and the Presidency 3 credits

The Congress, its rules and procedures, and the influence of Congress on national policy. Committee and party leadership The Presidential office, its constitutional powers, and its evolution over the years. The "modern presidency" since Franklin Roosevelt. Conflict and co-operation between the Congress and the President.

POLS 309 Political Parties and Election 3 credits

The nature of American political parties at the local, state, and - especially - the national level. Political reform and other causes of the decline of political party organization. The new service and money-raising roles of parties. Presidential and congressional elections. The rise of "candidate-centered" campaigns. The role of interest groups, the media, and professional campaign management firms in the conduct of elections. Explaining voter behavior and election outcomes through the tools of survey research.

POLS 311 State, Tribal and Local Government 3 credits

Surveys state, tribal and local government: intergovernmental relations, finance, state and tribal sovereignty, shifts in federalism and social policy, politics of urban and rural regions. State election systems may be studied for their significant influence over national elections.

POLS 312 Urban Politics and City Life 3 credits

"Why aren't our cities like that," asks University of Pennsylvania Professor Witold Rubczynski? We begin by asking this question. Our exploration will take us through a study of city life and all the elements that define it, then on to the problems and prospects of the urban polity that surround, influence, constrain and color city life. A course in political science complimented with an interdisciplinary literature--history, political- economy, urban studies and planning, organization theory, social criticism, even architecture.

POLS 313 (WOMS 313) Think Globally, Act Locally 4 credits

Course's core is social justice, especially economic justice for American low wage workers. Considers the changes globalization precipitates in U.S. economy, politics and patterns of civic engagement. Encourages development of civic skills appropriate to these changes; requires 30 hours of service through community organizations. Service Learning for Social Justice.

- POLS 316 Church and State in US Politics** 3 credits
Study of the history of church-state separation in American government and constitutional law. Focus on religion and politics from the Puritans to the Bush administration, touching on everything in between. The latter portion of the course focuses on relevant Supreme Court cases.
- POLS 318 Administrative Law** 3 credits
This course shows how the laws and regulations governing federal, state and local bureaucracies make up and fit into the politics of the country.
- POLS 319 American Foreign Policy** 3 credits
Evolution of American foreign policy, with emphasis on contemporary issues, national interests, interrelationship with domestic politics, and the decision-making process. Evaluation of Nationalist, Revisionist, and Realist views of foreign policy. How foreign policy may do justice.
- POLS 320 Bureaucracy and Citizens** 3 credits
From a citizen's viewpoint, the need for public bureaucracy, its politics, improvement, and relations with citizens.
- POLS 321 Politics and Public Admin** 3 credits
The way American public bureaucracy operates.
- POLS 322 (WOMS 340) Gender and Politics** 3 credits
Survey of feminist theories and their impact on the political position of women in America. The history of the postwar women's movement in the US. A variety of issues raised by women will be explored, and placed in comparative context to further illuminate possible choices and consequences.
- POLS 323 Constitutional Law** 3 credits
The roles of law, politics, and ethics in our constitutional system; the workings of the Supreme Court; constitutional development during the three major eras of our history, and how those experiences are relevant today; how to "brief" court opinions; six different but valid ways to interpret the Constitution. (Most students find this difficult course easier after taking POLS 303.)
- POLS 324 Participatory Democracy** 3 credits
Examination of past town-meeting and recent theory and practice aimed at increasing participation in politics by ordinary American citizens. Emphasis on the possibility of a new model of democratic government. Spring.
- POLS 325 Selected Topics: American Politics** 3 credits
The study of the selected topics in American politics. On Sufficient demand.
- POLS 326 Race and Ethnicity Politics in the US** 3 credits
Analysis of early to present immigration of slave and other groups to the United States in order to show the diversity of the current population, the political problems encountered by the distinct groups and for the rest of the country, plus the variety of political solutions and results.
- POLS 327 (WOMS 344) American Social Policy** 3 credits
This course examines the origins, patterns, reforms, and criticisms of American social policy. Ties between knowledge and social policy are studied. The particular impact of education, health care, and welfare policies on women, children, different racial and ethnic groups, and the middle class are considered. Normative claims for the proper role of the state and capitalism are reviewed. Comparisons are made with other western, capitalist societies and their policy regimes.
- POLS 328 Politics of the Pacific NW** 3 credits
State and society in the Pacific Northwest: government, parties, reform movements, regionalism, and social forces in the USA Pacific Northwest, and British Columbia and Alberta. Regional issues such as taxation, health care, urbanization, land use, education, the environment, and resource-based economics are addressed in a comparative Canadian-U.S. context.
- POLS 329 North American Environmental Policies** 3 credits
Study of local, regional, and international environmental policy, its challenges for not only administration and understanding, but also for citizenship and accountability. Topics include water, ecosystem management, and sustainability in the US, Canada, and Mexico.
- POLS 330 Classical and Medieval Political Thought** 3 credits
A thorough examination of the most important texts from Plato's Republic to The Prince and The Discourses of Machiavelli. Fall.
- POLS 331 Modern Political Thought** 3 credits
European political thought from Hobbes Leviathan to John Stuart Mill's On Liberty. The development of liberalism in Britain and France between the 17th and 19th centuries. Spring.
- POLS 332 American Political Thought of the Founding Era** 3 credits
The political thought of the Puritan founders of Massachusetts. The American Revolution and the Constitution. Federalists and Anti-Federalists. Tocqueville's Democracy in America.
- POLS 333 American Political Thought Civil War and After** 3 credits
Survey of American political thought from the Progressives through the rise of Neoconservatism and the newly emergent Republican majority. Relies on political documents such as speeches and essays, fiction with political overtones, and scholarly writing about American politics and thought.
- POLS 334 Politics and Literature** 3 credits
"Why are there so few political novels that are first rate as literature?" Political relations are abstractions; people live concretely. But literature can still bridge this gap. Comparing mediocre political novels with a great one teaches not only about literary quality but also about political reality. And truly great novels show how political realities appear even in private lives. Such "spectacles" express the shallowness of political ideology, and reveal the political features of ordinary lives as well as the personal meaning of politics. Spring.
- POLS 335 Marxism** 3 credits
Foundations of Marxism-Leninism. The major writings of Marx, Engels, and Lenin. The significance of Marxism in light of the apparent collapse of world communism. Marxism as a critique of American liberalism.
- POLS 336 Selected Texts in Political Thought** 3 credits
An intensive look at a single writer or group of writers; designed to achieve greater understanding than is possible in a broad survey course. On sufficient demand.
- POLS 337 Ethics and Politics** 3 credits
The problem of "dirty hands" in politics and why it occurs. Three different ways politics can be ethical. How the separation of powers in the American Constitution is a distinction of moral authorities. Close reading of classic works including Machiavelli, Just War, the Lincoln-Douglas debates. Spring.
- POLS 338 20th-Century Political Thought** 3 credits
Treatment of 20th-century authors who examine the difficulties for democratic political life in contemporary mass society. Fall.
- POLS 339 Liberalism and Conservatism** 3 credits
Study of current liberal and conservative ways of thinking about American politics; exploration of possibly valid philosophical grounding for them; application of the views to current policy.
- POLS 340 Christian Political Thought** 3 credits
This course examines Protestant and Catholic theologies of politics, ancient, modern, and contemporary. Christians have had a variety of reactions to politics and its issues of power, authority, social justice, freedom, rights, obligations, citizenship, sin, and grace in history and institutions. Secular critiques of Christian thought are also considered. On sufficient demand.
- POLS 341 Feminist Thought** 3 credits
Analyzes the contributions of feminist scholars to political theory and shows how feminist scholarship is transforming how we study politics and what we consider political. Reviews both the classics of feminist political theory and more current attempts to illuminate the gendered nature of state, economic and social power.
- POLS 342 (POLS 302) Law as a Vocation** 3 credits
Can the practice of law be both a "profession" and a true "vocation?" The lawyer-statesman ideal and the realities of today's practice of law. the nature of a rule of law system, and how it is ethical.
- POLS 343 War and Peace** 3 credits
This course will analyze several political philosophers' writings about war and peace, such as Kant's Perpetual Peace, and also will look into a handful of recent case studies about establishing peace in various parts of the world.
- POLS 344 (FREN 435) European Relations** 3 credits
Offered in Paris only.
- POLS 350 (INST 301) Survey of International Studies** 3 credits
Formerly POLS/INST 240. Contemporary global issues and background information for all courses in international studies. Studies the wisdom of the world's main civilizations, comparative economic systems and ideas, international politics, and the potential for international integration.
- POLS 351 (INST 342) International Relations** 3 credits
Theory and practice in the functioning of the international political system and the behavior of the nations within it.
- POLS 352 (INST 385) Latin American Politics** 3 credits
Focus on the caudillo or leader in Latin American history, culture, and society, in the range of contemporary forms of government-democratic, dictatorial, revolutionary. Some treatment of U.S. foreign policy.

- POLS 353 (INST 382) Japan: Culture and Politics** 3 credits
The historical and cultural context of Japanese politics today. Explanation of Japanese democracy and capitalism in terms of Confucian tradition, Buddhist spirituality, and indigenous aesthetics. Relations between these three, personal relations, and politics: as seen through literature, film and other arts. How all this affects Japan's international relations.
- POLS 354 (INST 395) Politics in Western Europe** 3 credits
Survey of the parties, institutions, political processes, issues and policies of the major western European industrialized nations. Special focus on England, France, and Germany, but coverage will extend to the other European democracies as well.
- POLS 355 (INST 325) Post-Soviet Russia and China** 3 credits
Focus on the pre-1985 Soviet political system; how Gorbachev's six-year reform program led to the unraveling of the Soviet Union; and the difficult transition to democracy and a market economy in post-Soviet Russia. Similarly, Maoist China is contrasted with the uneasy mixture of economic reform and political repression coexisting in China today.
- POLS 356 Area Studies in Politics** 3 or 4
An analysis of selected foreign governments.
- POLS 357 Italian Political System** 3 credits
The constitutional principles and governmental agencies in Italy today. Taught only at Gonzaga-in-Florence.
- POLS 359 (INST 310) Third World Development** 3 credits
Focus on political development in the Third World. After examining the making of the Third world through imperialism and colonialism, key political institutions (the state, political parties, the military) are analyzed, as is the international economic context of dependency and vulnerability. Several case studies follow a common analytical framework to trace experiences with democratic and authoritarian rule and assess the underlying causes of democratic success and failure.
- POLS 360 (INST 346) Parliamentary Government** 3 credits
Parliamentary or Cabinet government is contrasted with the American government. Focus on disciplined parties, prime ministers, civil servants, and elected politicians, written and unwritten constitutional rules, parliamentary supremacy and rights-based politics. Usually a specific nation, Canada, is featured, but examples are also drawn from Great Britain, New Zealand, India, and Australia.
- POLS 363 (INST 326/WOMS 342) Women in Comparative Societies** 3 credits
Compares women's movements around the world by examining women's roles in various nations and how women themselves are both redefining and using their new roles to bring about political change. U.S. European, Latin American, Russian, and Palestinian women's movements.
- POLS 364 (INST 389) Politics of the Pacific Rim** 3 credits
Focus on the role played by the East Asian capitalist development states (Japan, South Korea, Taiwan) in the accelerated economic growth of the Pacific Rim; a consideration of the Philippines or Indonesia as a representative of ASEAN; also an analysis of the Asian financial crisis and its impact on Hong Kong as well as on the USA, Russia, and China.
- POLS 365 (INST 390) African Politics and Development** 3 credits
Contemporary sub-Saharan Africa is examined in four key areas of development and politics: (1) contemporary social, economic, and ecological conditions; (2) origins of the modern African state; (3) development strategies and post-independence decline; and (4) state and society after developmentalism.
- POLS 366 (INST 410) Perspectives on Global Issues** 3 credits
A critical analysis of vital global issues from the different perspectives of realists, idealists, and system-transformers. This framework encourages an exploration of competing worldviews and value systems and requires the weighing of evidence from differing ideological, cultural, and gender perspectives. The major analytical perspectives and organizing concepts that scholars have fashioned to make these issues comprehensible are introduced.
- POLS 367 (INST 393) Democratization in Central and Eastern Europe** 3 credits
Problems of and prospects for democracy in Eastern/Central Europe. The history, movements, institutions, and politics of the nations will be considered, as well as of democratization and economic reform.
- POLS 368 (INST 392) Tyranny to Democracy 21 C.** 3 credits
Between 1974 and 2000 more than fifty countries in Southern Europe, Latin America, East Asia, and Eastern Europe shifted from authoritarian to democratic systems of government. An examination of the causes and nature of these democratic transitions. Several case studies of democratic transitions in different areas of the world will be investigated in order to understand the factors responsible for the democratic trend and to ascertain which key variables best explain completed democratic transitions and democratic consolidation.
- POLS 370 Modern Democracies** 3 credits
Selected foreign democratic systems; constitutional and ideological principles; governmental forms, practices, and problems. Taught at Gonzaga-in-Florence.
- POLS 371 (INST 345) International Law** 3 credits
Examines the fundamentals of public international law by studying its sources, methods of dispute resolution, and current problems of interest to North Americans.
- POLS 372 (INST 367) Comparative Middle East Politics** 3 credits
Shows the Middle East is more than a region fraught with violence, ethnic hatred and the struggle for control of oil by examining the modern Middle East's history and context, a diverse set of country case studies, and current issues including the role of women, Islamic fundamentalism, terrorism, and peace in Israel-Palestine.
- POLS 373 Arab-Israeli Conflict** 3 credits
Why is there an Arab-Israeli conflict? The question is much-discussed but not very often answered. This course is a comprehensive effort to understand that question as well as the intense political debates that have evolved surrounding it. The course is interdisciplinary, touching on historical, political, and sociological aspects of the origins and trajectory of the conflict.
- POLS 374 Democracy in the Middle East** 3 credits
While the Middle East is not a wellspring of democracy, there are a diverse range of democratic institutions, ideas, and even states in the region. This course examines in depth the four most democratic countries-Israel, Turkey, Iran, Lebanon-the prospective democracy in Iraq plus the regional and transnational issues crucial to Middle Eastern democracy.
- POLS 375 Global Environmental Politics** 3 credits
Unique interdisciplinary examination of the historical, philosophical, and moral consequences of human interaction with the global environment; of the local, national and international governments, of the national and indigenous peoples, of the non-governmental organizations (NGOs), regimes and industry that affect it.
- POLS 395 Topics in Political Science** 3 credits
Selected questions in the discipline.
- POLS 396 Service Learning in Public Affairs** 1 credit
Field work by arrangement with a community organization. Must be taken together with a designated service learning course. A comprehensive internship report is required. Normally limited to upper division students but, in special cases, first and second year students may be granted authorization.
- POLS 483 Seminar in Political Economy** 3 credits
Selected topics.
- POLS 484 Seminar in American Politics** 3 credits
Selected topics.
- POLS 486 Seminar in Political Thought** 3 credits
Selected topics.
- POLS 487 Seminar: International Relations** 3 credits
Selected topics.
- POLS 488 Seminar: Comparative Politics** 3 credits
Selected topics.
- POLS 490 Directed Readings** 1-3 credits
Credit by arrangement for directed reading and reports on selected topics. Political Science 490 Directed Readings requires completion of a form, and department permission.
- POLS 492 Independent Research or Study** 1-3 credits
Credit by arrangement for research or study. Political Science 492 Independent Research or Study requires completion of a form, and department permission.
- POLS 497 Public Affairs Internship** 1-9 credits
Field work by arrangement with a public agency or political party. Requires a comprehensive internship report. Normally limited to upper division students; in special cases frosh and sophomores may be allowed. No student may earn more than nine credits. Political Science 497 Public Affairs Internship requires completion of a form, and department permission.
- POLS 499 Comprehensive Exam Preparation** 1 credit
Required of all majors in their final year; students must register during regular registration.

PSYCHOLOGY

Chairperson: Molly Kretchmar-Hendricks
 Professor: S. Leigland
 Associate Professors: M. McBride, N. Worsham, M. Kretchmar-Hendricks
 Assistant Professors: T. McCulloh, J. Williams, P. Mulick, A.M. Medina

The Department of Psychology offers courses that focus upon the scientific study of human and animal behavior; most courses offered in the department, however, stress observable and experiential human behavior. The department offers a Bachelor of Arts in Psychology.

Because psychology is related to a wide variety of other disciplines, majors are encouraged to pursue studies in related fields such as sociology, biology, communication arts, literature, business, mathematics, education, and philosophy.

Beyond General Psychology, Statistics for the Social Sciences (PSYC 202, SOCI 202, POLS 202, MATH 121,) and Research Methods in Psychology (PSYC 207) are required for entry into most upper division courses. These two courses provide students with an initial understanding and appreciation of the scientific method in psychology.

Majors are required to take a comprehensive examination (PSYC 499). Students usually complete the examination in either the second semester of their third year or the first semester of their final year. Majors are also encouraged to take additional upper division courses if they are planning on graduate studies.

Psychology majors are required to take at least one non-psychology course in satisfying the social science core requirement.

B.A. Major in Psychology: 34 Credits

Lower Division Courses

PSYC 101 General Psychology	3 credits
MATH 121 Statistics	3 credits
PSYC 207 Research Methods in Psychology	3 credits
PSYC 207L Research Methods in Psychology Lab	1 credit

Upper Division Courses

PSYC 330 Social Psychology	3 credits
PSYC 335 or PSYC 433	3 credits
PSYC 380 Personality Theory	3 credits
PSYC - - - Electives	15 credits
PSYC 499 Comprehensive	0 credit

Minor in Psychology: 22 Credits

Lower Division Courses

PSYC 101 General Psychology	3 credits
MATH 121 Statistics	3 credits
PSYC 207 Research Methods in Psychology	3 credits
PSYC 207L Research Methods in Psychology Lab	1 credit

Upper Division Courses

PSYC - - - Electives	12 credits
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Lower Division Courses

PSYC 101 General Psychology 3 credits
 An overview of contemporary psychology which introduces the student to the following areas: human development, sensation perception, motivation, learning, emotion, psychological measurement, personality, biological basis of behavior, experimental psychology, intelligence, abnormal behavior, and personality. Format consists of lectures and discussions. Fall and Spring; Summer on sufficient demand.

PSYC 207 Research Methods in Psychology 3 credits
 An introduction to research methods in psychology with particular focus on the experimental method. Primary emphasis is on the application of the methods learned in class to actual psychological research problems. Fall and Spring. Prerequisites: (MATH or BUSN 230 or NURS 320) and PSYC 101.

PSYC 207L Research Methods in Psyc Lab 1 credit
 To be taken concurrently with PSYC 207L, the lab will provide the student with practical, hands-on experience in conducting and writing-up research projects in psychology. Students are guided through all of the phases of designing and conducting a research project. Fall and Spring.

Upper Division Courses

PSYC 300 Educational Psychology 3 credits
 Designed to guide students in the application of psychological theory and research to work in the classroom, this course will include topics such as learning, aspects of human development that influence learning, and how to structure the classroom environment to maximize learning. On sufficient demand. Prerequisite: PSYC 101.

PSYC 321 Child Psychology 3 credits
 The essentials of child psychology, representing various schools of thought based upon research on the development of children from conception to preadolescence. May include a service-learning component. Fall and/or Spring. Prerequisite: (PSYC 207 or EDSE 417 or SOCI 304 or EXSC 305).

PSYC 322 Adolescent Psychology 3 credits
 A survey of psychological research and major theories regarding the life-span between puberty and the attainment of maturity. May include a service-learning component. Fall and/or Spring. Prerequisite: (PSYC 207 or EDSE 417 or SOCI 304 or EXSC 305).

PSYC 323 Development in Diverse Environments 3 credits
 Course will explore child development across various contexts with particular emphasis on broadening students' perspectives beyond normative development in white, middle class environments. Contexts explored will include poverty and homelessness, racial discrimination, diverse family contexts (e.g., divorce, parents who are homosexual), foster care and adoption, violent/war stricken environments, and cross-cultural child-rearing practices. May include a service-learning component. On sufficient demand. Prerequisite: (PSYC 207 or EDSE 417 or SOCI 304 or EXSC 305).

PSYC 330 Social Psychology 3 credits
 An analysis of psycho-social endowment. The impact of individuals, groups, and social structure on the development of personality and interpersonal relations. Fall and Spring; Summer on sufficient demand. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).

PSYC 333 Environmental Psychology 3 credits
 An exploration of the environment interaction between human behavior and the physical. Emphasis on perception, preference, and coping with less preferred environments. Spring. Prerequisite: PSYC 101.

PSYC 335 Cognition 3 credits
 How information is processed, stored, retrieved, and used. Includes attention, memory, language, and thinking. Spring. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).

PSYC 350 Tutoring and Proctoring 1-3 credits
 Advanced psychology students participate in the tutoring and proctoring of students who can benefit from special assistance in a particular area of psychology. It is assumed that tutors and proctors have an especially good command of the subject matter. Fall and Spring.

PSYC 355 Cross-cultural Psychology 3 credits
 An exploration of the psychological research that seeks to understand differences and similarities in human behavior when compared across cultures and groups. On sufficient demand. Prerequisite: PSYC 101.

PSYC 372 Physiological Psychology 3 credits
 The purpose of this course is to study and discuss how anatomy, chemistry, and physiology affect behavior, how biological processes impact everyday behavior, and how abnormalities in our biology can produce various conditions and disorders. Fall. Prerequisites: PSYC 101 and MATH 121 and (PSYC 207 or SOCI 304 or EXSC 305).

- PSYC 380 Personality** 3 credits
A survey and critique of major theories of personality. Fall and Spring.
Prerequisite: PSYC 101.
- PSYC 411 Intro to Psychological Tests and Measure** 3 credits
Emphasis on the theoretical aspects of psychological testing for administration, construction, and evaluation. On sufficient demand. Prerequisite: PSYC 207
- PSYC 413 Psychology of Error and Illusion** 3 credits
This class will examine both perceptual and cognitive errors, and their relation to technology, everyday life, and decision-making. Studying various perceptual illusions will lead to a greater understanding of how the senses work. For example, topics such as color television, stage magic, and 3-D glasses will heighten our understanding of the visual system; other illusions will likewise demonstrate the workings of other senses. In addition we examine common errors in decision making that have profound effects on individuals and society.
- PSYC 422 History and Systems of Psychology** 3 credits
The various systematic approaches to the understanding of psychological phenomena are surveyed in historical context; such schools as structuralism, functionalism, psychoanalysis humanistic psychology, and varieties of behaviorism and cognitivism, will be considered. Fall.
Prerequisite: PSYC 101
- PSYC 423 Family Systems: Theory and Practice** 3 credits
This course introduces students to the theory and practice of family systems. We will compare and contrast various models of family systems including transgenerational, structural, strategic, and experiential approaches. This course is especially recommended for students considering a career in a clinical context as a therapist. We will apply family systems theories to clinical case studies and examine how family therapists try to bring about change. Students will have an opportunity to integrate these concepts as they begin to clarify and develop their own therapeutic framework.
- PSYC 424 Community Psychology-Primary Prevention** 3 credits
Combines an emphasis on exploring alternative methods of providing mental health services in the community and the identification of conditions of risk to psychological adjustment and the prevention or lessening of risk factors. On sufficient demand. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).
- PSYC 426 Psychopathology** 3 credits
Survey of major emotional and behavior disorders; discussion of causation, symptomology, and treatment. Fall and Spring. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).
- PSYC 433 Learning** 3 credits
Advanced survey of concepts and methods relevant to the scientific analysis of learning. Fall. Prerequisite: PSYC 101.
- PSYC 435 Sensation and Perception** 3 credits
Examines the transduction of sensory information, its processing by the human nervous system, and how these processes result in perceptual experience. On sufficient demand. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).
- PSYC 441 Behavior Management** 3 credits
A critical review of learning procedures used to effect behavioral change in the natural environment. Includes treatment of both normal and maladaptive behaviors. Spring. Prerequisite: PSYC 101.
- PSYC 444 Behavior Analysis** 4 credits
The attitudes, principles, and techniques which enter into the experimental analysis of behavior. Concentrated laboratory study and the communication of experimental findings. Spring. Co-requisites: PSYC 444L
Prerequisite: PSYC 101.
- PSYC 444L Behavior Analysis Lab** 0 credits
To be taken concurrently with PSYC 444. Spring. Co-requisites: PSYC 444.
- PSYC 450 Industrial-Organizational Psychology** 3 credits
A survey of psychology applied to the work experience. Selection, evaluation, leadership, and work motivation are among the broad range of topics covered. Fall. Prerequisites: PSYC 101 and MATH 121.
- PSYC 460 Health/Pediatric Psychology** 3 credits
This course is designed to cover a survey of health/ pediatric psychology (i.e., studying the interface between psychological and physical processes), while simultaneously providing in-depth analysis of various topic areas (e.g., psychosocial aspects of oncology; pain management in infants/toddlers, etc.). Classes will follow a seminar format incorporating discussion of assigned readings, presentation of new material, and an emphasis on written expression skills. Course content will emphasize many aspects of health/pediatric psychology including basic and applied research, consultation, clinical intervention, and health promotion strategies. Participation with ongoing research projects may be included. On sufficient demand. Prerequisites: (PSYC 207 or EDSE 417 or SOCI 304 or EXSC 305) and MATH 121 and PSYC 101.
- PSYC 470 Group Process** 3 credits
This course is an introduction to the theory and practice of group counseling and psychotherapy. Students in this course study both historical and current literature regarding the theoretical and experiential understandings of group purpose, developmental stages, dynamics such as roles, norms, and therapeutic factors, leadership orientations and process, counseling theories, group counseling methods, and skills. On sufficient demand. Prerequisite: PSYC 207
- PSYC 475 Clinical/Counseling Psychology** 3 credits
An introduction to current theory and method in clinical and counseling psychology. On sufficient demand. Prerequisites: (PSYC 207 or SOCI 304 or EXSC 305 or EDSE 417) and PSYC 380.
- PSYC 477 Psychology of Intimacy** 3 credits
This course will explore the nature of attachment relationships from birth through the life span with a specific focus upon issues of intimacy. On sufficient demand. Prerequisite: PSYC 207.
- PSYC 478 Evolutionary Psychology** 3 credits
Evolutionary psychology examines the adaptive significance of behavior as the result of universal processes that have shaped the functioning of life. Specific topics include mating strategies, sexual jealousy, cheater detection, pregnancy sickness, parental nurturance and negligence, spatial memory, landscape preferences, and aggression and violence. On sufficient demand. Prerequisite: PSYC 207.
- PSYC 479 Seminar: Psychology of Trauma** 3 credits
This seminar style course is an introduction to the psychological aspects of individuals exposure to traumatic experiences. This course will cover a variety of topics including historical and current literature regarding the effects, diagnosis, and treatments of trauma exposure throughout the lifespan. The course will place an emphasis on student participation in classroom discussions and presentations of course material. Fall or on sufficient demand. Prerequisite: PSYC 207.
- PSYC 481 Attachment Across the Lifespan** 3 credits
Seminar course explores the basic principles of attachment theory and an analysis of attachment relationships (e.g., parent-child, romantic partners) at various points in the lifespan. May include a service-learning component. On sufficient demand. Prerequisite: (PSYC 207 or EDSE 417 or SOCI 304 or EXSC 305).
- PSYC 482 Psychology of Aging** 3 credits
This course will explore the interaction and impact of the aging process on physiological, cognitive, and psychological changes within the individual. The course will include topics such as the diversity of aging experiences, retirement, widowhood, coping with illness, family caregiving, and mental health issues. On sufficient demand. Prerequisite: PSYC 207.
- PSYC 483 Emotion** 3 credits
On sufficient demand. Prerequisite: PSYC 207.
- PSYC 484 Abnormal Child Psychology** 3 credits
An overview of theory, research, and practice in developmental psychopathology. The major disorders of childhood are reviewed. On sufficient demand. Prerequisite: PSYC 207.
- PSYC 487 Seminar-Verbal Processes** 3 credits
Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).
- PSYC 489 Seminar: Infant Development** 3 credits
Seminar involves an in-depth study of the research and theory on development from conception through infancy with special attention to the real-world application of knowledge gained. May include a service-learning component. On sufficient demand. Prerequisite: (PSYC 207 or SOCI 304 or EXSC 305).
- PSYC 490 Directed Reading in Psychology** 1-3 credits
Directed Reading of an advanced topic in the field of psychology; reports submitted, conferences attended, and examination taken at the judgment of the director. Prerequisite: PSYC 207.
- PSYC 496 Practicum in Psychology** 1 credit
Supervised agency experiences in one or more of the applied aspects of psychology. Only one hour may be counted toward the requirements for the major. Prerequisites: PSYC 426 and PSYC 475.
- PSYC 497 Group Research Topic** 1-3 credits
Supervised research experience as a part of a research team working on a specific project under the direction and supervision of a faculty member.
- PSYC 498 Individual Research Topics** 1-3 credits
Supervised individual research on a topic of interest to the student and approved by and arranged with a faculty member. Prerequisite: PSYC 207.
- PSYC 499 Comprehensive** 0 credits
Passing the Graduate Record Advanced Test in Psychology is required of all majors prior to receiving their degree.

RELIGIOUS STUDIES

Chairperson: Patrick McCormick

Professors: M. Cook, S.J., J. Dallen, H. Doohan (Emeritus),

L. Doohan (Emeritus), J. Downey, P. Hartin,

P. McCormick, A. Nigro, S.J. (Emeritus),

C. Skok (Emeritus), L. Schearing,

B. Tyrrell, S.J. (Emeritus)

Associate Professors: S. Kuder, S.J., R. Large,

J. Milos, C.S.J., J. Mossi, S.J., M. Moynahan, S.J.,

C. Siejk

Assistant Professors: R. Egan, S.J., M. Garvin, SNJM,

R. Hauck, K. McCrudden

Instructors: A. Merrill Willis

The aim of the religious studies curriculum is to help students develop an informed, reflective, critical, and articulate consciousness of their own developing faith in relation to the development of the modern world. This aim is pursued through the study of scripture and Christian tradition and their application to major areas of contemporary life, especially the integration of religion and society. The Department of Religious Studies offers courses in the areas of scripture, historical and systematic theology, Church history, moral theology, spirituality, and ministry.

Undergraduate students in all degree programs are required to take three religious studies courses (nine credits) sequenced as follows: one 100-level course, one 200-level course, and one 300-level course.

A Bachelor of Arts degree with a major in religious studies requires 33 credits: twelve required lower division credits; twenty-one credits from the upper division courses. Majors may concentrate in specific areas; e.g., biblical studies, theology, ethics, spirituality. The religious studies major focuses on an intellectual and spiritual appropriation of human experience that is both religious and moral. The major stresses Christianity, but it also requires study of one other tradition.

The Religious Studies department also offers a minor in religious studies. A total of eighteen credits is required for the minor in religious studies, of which nine credits must be upper division.

For information regarding endorsement for teacher certification, please contact the department office.

Only electives offered by the Department of Religious Studies or approved by the department chair may be counted toward the major.

The department also offers a twelve-credit Certificate of Ministry Program (Theology of Ministry, Ministry elective, Programming and Administration in Ministry, and Practicum) which certifies that a person has been prepared in a practical way to meet the demands of work in Christian ministry. These courses are taken in addition to the required lower division credits. RELI 454 and 457 cannot be accepted as part of the major in religious studies.

Gonzaga's Department of Religious Studies is accredited by the Association of Theological Schools.

B.A. Major in Religious Studies: 33 Credits

Lower Division Courses

RELI 110 Old Testament*	3 credits
RELI 120 or 124 New Testament* (RELI 105 may substitute for either Old or New Testament)	3 credits
RELI 200-240 History/Theology	6 credits

Upper Division Courses

RELI 330 Principles of Christian Morality*	3 credits
RELI 492 World Rel. (or other non-Christian rel.)	3 credits
RELI - - - Electives	12 credits
RELI 499 Senior Symposium	3 credits

Minor in Religious Studies: 18 Credits

Lower Division Courses

RELI 110 Old Testament*	3 credits
RELI 120 or 124 New Testament* (RELI 105 may substitute for either Old or New Testament)	3 credits
RELI 200-240 History/Theology	3 credits

Upper Division Courses

RELI 330 Principles of Christian Morality*	3 credits
RELI - - - Electives	6 credits

* Upper level (400) advanced courses in this subject area may be substituted for this requirement. Prior approval from the Chair is required. Students who have already taken an advanced course can submit an appeal.

Lower Division Courses: Scripture

Note: lower-division Scripture courses have no prerequisites.

RELI 105 Old and New Testament 3 credits
A study of both Old and New Testament as the scriptures of Christianity.

RELI 110 Introduction to the Old Testament 3 credits
Examines the historical, literary and contemporary worlds of the Old Testament.

RELI 110A (WOMS 251) Feminist Introduction to the Old Testament 3 credits
This course introduces students to the Old Testament with special attention given to texts dealing with women.

RELI 110H Honors Introduction to Old Testament 3 credits
For Honors students, see RELI 110 for course description. Prerequisite: HONS 190.

RELI 120 Introduction to the New Testament 3 credits
An exploration of the world and environment of the New Testament writers as well as Christianity's roots in the Jewish tradition. A basic introduction to the writings of the New Testament.

RELI 120H Honors Introduction to New Testament 3 credits
For Honors students, see RELI 120 for course description. Prerequisite: HONS 190.

RELI 124 New Testament: Matthew Mark Luke 3 credits
A study of the synoptic gospels and their inter-relationship and independent development.

RELI 124H Honors NT: Matthew Mark Luke 3 credits
For Honors Students, see RELI 124 for course description. Prerequisite: HONS 190.

Lower Division Courses: Doctrine (200 level)

Note: lower division Doctrine courses have as a prerequisite one 100-level RELI course.

RELI 200 Religion and Human Experience 3 credits
An exploration of some of the basic experiences, concepts, and challenges involved in being religious.

RELI 205 History and Teachings of Christianity 3 credits
Designed to give students of Christian and non-Christian backgrounds an introductory knowledge of the growth and development of Christianity from its beginnings to the present day.

RELI 210 Christian Doctrine 3 credits
An introduction to the academic discipline of Christian theology and the way in which the Christian community makes believing possible and meaningful for contemporary people of faith.

RELI 210A (WOMS 252C) Feminist Christian Doctrine 3 credits
Informed by the voices of contemporary feminist theologians and biblical scholars, this course examines the traditional understanding of what it means to live in a Christian faith in a pluralistic culture.

RELI 210H Honors Christian Doctrine 3 credits
For Honors students only. See RELI 210 for course description. Prerequisite: HONS 190.

RELI 215 Christian Diversity	3 credits
An introduction to the history, beliefs, and practices of selected denominations within Christianity such as Orthodox, Lutheran, Anglican, Reform, Anabaptist, and others. Students will also examine the impact of culturally diverse expressions of Christianity within a North American context, e.g. African American and Hispanic.	
RELI 215H Honors Christian Diversity	3 credits
For Honors students only. See RELI 215 for course description. Prerequisite: HONS 190.	
RELI 220 Catholicism	3 credits
Exploration of the identity of the Roman Catholic tradition with emphasis on Catholicism's dialogue with the contemporary world.	
RELI 220H Honors Catholicism	3 credits
For Honors students only. See RELI 220 for course description. Prerequisite: HONS 190.	
RELI 230 Contemporary Church	3 credits
A theological and historical examination of the contemporary church from the perspective of the Second Vatican Council.	
RELI 230A (WOMS 255C) Women and Contemporary Church	3 credits
The focus of this course is to examine the identity and mission of the church as an institution and a community of faith emerging from Vatican Council II. Feminist theology will provide the lens for examining the role of women in the church in both historical and contemporary situations.	
RELI 240 Core Seminar: Special Topics	3 credits

Upper Division Courses: Applied Theology

Note: Upper division 300-level course have as a prerequisite one 100-level RELI course and one 200-level RELI course.

RELI 310 Bible and Christian Morality	3 credits
The role of Scripture in Christian moral choices, the relationship between current moral problems and biblical insights, and application of a critical biblical understanding to modern questions of justice and morality.	
RELI 330 Principles of Christian Morality	3 credits
How are Christians to fashion moral choices, character, and communities? What are the sources, tools, and rules of Christian ethics? What kind of Justice does our faith demand?	
RELI 331 Christian Sexual Morality	3 credits
A Christian perspective on the ethical dimensions of human sexuality and issues of gender.	
RELI 332 Christian Marriage	3 credits
Catholic teachings in the area of marriage and family life in light of contemporary challenges.	
RELI 333 Christian Medical Ethics	3 credits
How should Christians judge and respond to the technologies and dilemmas of modern medicine? What Christian principles should guide our medical and health care decisions and policies?	
RELI 334 Healing and Wholeness	3 credits
A Christ-centered model and method for healing, transforming, transcending physical challenges, psychological wounds, addictive, tendencies and for ongoing transfiguration of the whole person.	
RELI 335 Faith, Justice, and the Church	3 credits
What does our Christian faith have to say about our economic, political, social and cultural structures and practices. An examination of the ways our Church calls us to practice a "faith that does justice."	
RELI 335A Christianity and Human Rights	3 credits
This course focuses on human rights in order to address the general issue of how religion and politics might honestly mix. Can Christian thought contribute to grounding a critical cross-cultural conversation? Issues include the use and abuse of religious traditions, conflicts between human rights and religion, the notion of universal human rights, the Asian values debate, human rights in contemporary American society, human rights in the church, globalization, unity and diversity, relativism, Christian resources and the formulation of a political theology.	

RELI 337 Vietnam: War-Christian Morality	3 credits
An analysis of Christian moral teachings on war with a specific focus on the Vietnam War. Topics include peace, justice, killing, revolution, and protest.	
RELI 343 Christian Leadership	3 credits
The scriptural and traditional foundations for religious leadership; contemporary leadership theories; the development and role of Christian leaders in the Church and world today.	
RELI 360 Liturgy	3 credits
A general survey of liturgy; the roots and contemporary manifestations of celebration, ritual, and symbol.	
RELI 360A Worship in Western Christianity	3 credits
The historical evolution of worship in Western Christianity to the twentieth century and how it has been understood theologically; contemporary Catholic and Protestant traditions of worship.	
RELI 370 Christian Spirituality	3 credits
The sources, nature, and forms of Christian spirituality historically and within the contemporary context.	
RELI 370A (WOMS 356) Women and Christian Spirituality	3 credits
An exploration of the themes, questions, and foundations of Christian spirituality with special focus on the experience of women.	
RELI 385 (WOMS 355) Feminist Theologies	3 credits
Examines the tasks of feminist theologians and surveys the challenges and unique contributions they make to the integrity and vitality of contemporary Christianity.	
RELI 390 Applied Theology: Special Topics	3 credits

Upper Division Additional Course

Note: Unless otherwise noted, these courses all have as prerequisites one 100-level, one 200-level, and one 300-level RELI course and they are offered when there is sufficient demand.

RELI 411 Pentateuch	3 credits
An historical-critical and theological study of the documents which constituted Israel's understanding of covenant with God.	
RELI 412 Prophets of Israel	3 credits
A survey of prophecy in ancient Israel that focuses on the nature of prophecy, the role and message of the prophets, and the parameters of contemporary prophetic ministry.	
RELI 413A Psalms Literature	3 credits
An examination of Israel's Psalms that explores their poetic and theological elements, their history of interpretation in Judaism and Christianity, and their use in contemporary worship.	
RELI 413B Wisdom Literature	3 credits
A study of the literary, theological, and historical dimensions of the books of Proverbs, Job Ecclesiastes, Sirach, and the Wisdom of Solomon and their place in the development of Hebrew thought.	
RELI 414 Hebrew Scriptures: Special Topics	3 credits
RELI 414A Beginning with Genesis	3 credits
RELI 414B Dead Sea Scrolls	3 credits
RELI 414C Bible, Gender and American Society	3 credits
RELI 414D Prophets Past and Present	3 credits
RELI 415 Synoptic Gospels	3 credits
Matthew, Mark, and Luke in their interrelationship and their independent development.	
RELI 416 Johannine Literature	3 credits
The Gospel of John and the Johannine letters.	
RELI 417 Letters of Paul	3 credits
Paul's life and theology as reflected in his letters.	
RELI 418 Revelation and General Epistles	3 credits
How to interpret the Book of Revelation and the Epistles of James, Hebrews, Jude, and 1 and 2 Peter.	
RELI 419 New Testament: Special Topics	3 credits
RELI 419A Christians Romans and Jews	3 credits
Origin, character, and development of Christianity in first-century Rome as revealed in the New Testament.	
RELI 420 Contemporary Trends in Theology	3 credits
A selective examination of current themes and authors who are setting the course for theology in the 21st century.	

RELI 420A Contemporary Catholic Thought	3 credits	RELI 447 American Religious History	3 credits
A survey of recent modern and postmodern Catholic theologies.		The role of religion in the development of American culture from the colonial period to the present.	
RELI 421 Trinity, Creation, Eschatology	3 credits	RELI 448 Church History: Special Topics	3 credits
The manifestation of God's purposes for human existence and the Christian's relationship with the Triune God.		RELI 449 Church: Special Topics	3 credits
RELI 422 Christology	3 credits	RELI 450 Theology of Ministry	3 credits
The key movements in Christology today in the light of scriptural and conciliar teachings on Christ.		Theological foundations for ministry in the church including historical roots and contemporary experience. Attention will be given to both the theory and practice of ministry. Skills of theological reflection will provide the method if inquiry and direction for collaborative pastoral response.	
RELI 424 Suffering God	3 credits	RELI 451 Introduction to Pastoral Counseling	3 credits
Can we really honor the reality of God and the concrete fact of human suffering at the same time? What is the relationship between suffering and God? The course investigates this ambiguous but classic religious experience as articulated in political and liberation theologies.		Foundations of theological models, methodology, and practice crucial to pastoral counseling. Special attention to counseling theory and related pastoral issues with emphasis on theological reflection and evaluative methods.	
RELI 425 Political Theology	3 credits	RELI 452 Introduction to Spiritual Direction	3 credits
The critical relationship of religious and political values as foundational; memory, narrative, and solidarity as theological categories. Special emphasis on the work of Johann Baptist Metz with some attention to J. Moltmann and D. Soelle.		A holistic approach to the history, theological, and psychological foundations and methods of spiritual direction. Personality types and prayer forms are also studied within the context of the director-directee relationship.	
RELI 426 Religion and Human Rights	3 credits	RELI 452A The Practice of Spiritual Direction	3 credits
An introduction to the notion of universal human rights with special attention to the role of religion in the debate. The contribution of recent Christian theology to this conversation. Issues include the clash of cultures, cultural relativity and universal truths, the possibility of a global ethic, the use and abuse of religious language, and theological contributions to international political dialogue.		Key contemporary models of the practice of spiritual direction are studied and evaluated. Students critically test and practically apply these methods to instances both by presenting written examples and through role-playing. Prerequisite: RELI 452.	
RELI 429 Systematic Theology:Special Topics	3 credits	RELI 453 Programing and Administration in Ministry	3 credits
RELI 430 Theological Ethics	3 credits	Practical skills in church administration and collaborative ministerial leadership: skills for developing and administering ministry programs.	
How does theological ethics inform a Christian understanding of our practical moral life? This course will examine the fundamental concepts of Christian theological ethics and study their application to specific ethical issues and problems.		RELI 454B Sharing Faith	3 credits
RELI 431 Christian Sexual Morality	3 credits	This course propose foundations for a participatory and empowering approach to religious education and pastoral ministry. The curriculum is focused around five generative themes: the who, what, why, where, and how of Christian religious education.	
Fundamental Christian moral principles and their application to the expression of human sexuality and issues of gender.		RELI 455 Homiletics	2 credits
RELI 435 Church and Social Justice	3 credits	The development of preaching skills; the translation of theological language into the language of the hearers, the theological content of homilies, practice homilies, and theology of preaching.	
The issues of justice from a Church perspective as they affect society locally, nationally, and internationally.		RELI 457 Supervised Ministry	1- 4 credits
RELI 437A The Ethics of Non-violence	3 credits	Ministerial experience under supervision and assistance in theological reflection. Permission required Prerequisite: RELI 450.	
An examination, through the writings of Mohandas Gandhi and Martin Luther King, Jr., of the sources, presuppositions, and goals of nonviolence as both a personal ethic and a movement for social change.		RELI 458 Practicum	3 credits
RELI 437B War, Peace, and Christian Ethics	3 credits	Field based experience involving demonstrated competence in ministry. Prerequisites: Twelve RELI credits and permission. Necessary for Certificate of Ministry.	
Is there a Christian morality of war and peace? Can war be just? Must Christians be pacifists? A study of the Christian tradition's moral reflections on war and peace.		RELI 459 Ministry: Special Topics	3 credits
RELI 438 Death and Dying	3 credits	RELI 459A Community Outreach	3 credits
Study of the ethical issues that death and dying raise for human existence. Topics include definitions of death, truth-telling, termination of treatment, God and death, and war and death.		A course on volunteer work with both classroom and volunteer field-work components.	
RELI 439 Ethics: Special Topics	3 credits	RELI 461 Sacraments	3 credits
RELI 440 Contemporary Ecclesiology	3 credits	Theological study of the scriptural, doctrinal, and systematic presentation of sacramental life and worship.	
Study of the Church's ecumenical self-understanding of its nature and function in the contemporary world as reflected in official documents and theological writings.		RELI 462 Liturgical-Sacramental Spirituality	3 credits
RELI 444 Women in Ministry	3 credits	The interrelation of liturgical celebration, personal spirituality, and Christian living.	
Women's participation in the Church's mission as expressed in scripture, history, tradition, and the contemporary life of the Church. Special emphasis on the development of skills which will enable a positive contribution to the issues.		RELI 463 Sacraments of Initiation	3 credits
RELI 445 Church History to the Reformation	3 credits	Christians are made, not born; a study of how this has been and is done sacramentally through baptismConfirmation and the Eucharist.	
The historical origins of the Church and its development to the Reformation.		RELI 465 Eucharist	3 credits
RELI 446A The Reformation	3 credits	Study of its Jewish origins, New Testament foundations and Catholic theology, including real presence, sacrifice, and ministry. The Eucharist as prayer and the Eucharist in ecumenical perspective.	
The figures, ideas, and events that produced the religious challenge to medieval Christendom in the sixteenth century.		RELI 469 Liturgy-Sacraments:Special Topics	3 credits
		RELI 470 Old Testament Spirituality	3 credits
		This course addresses the experiences of God that compelled the writers of Genesis through Malachi to tell the stories, preach the sermons, and sing the songs of the Old Testament and examines how these great works of the Jewish and Christian faith shape contemporary theologies.	

RELI 471 New Testament Spirituality	3 credits	RELI 492B Holocaust	3 credits
The nature of biblical spirituality and a consideration of the spiritual teachings of the gospel writers.		Hitler's war and the history of Christian anti-Semitism; impact of Christianity's supercessionist theology, the role of the language of dehumanization, and the use of Christian language in nationalist and racist rhetoric.	
RELI 472 Christian Spiritual Traditions	3 credits	RELI 492C Native American Religions	3 credits
A study of themes, issues, and selected classic texts in the history of Christian spirituality.		Traditional Native cultures and contributions along with the cultural stereotypes that distort their reality. Includes the role of Christian missions in forming contemporary Native realities and studies the revitalization movements among North American tribes.	
RELI 473 Contemporary Christian Spirituality	3 credits	RELI 492D (INST 333) Buddhism	3 credits
A contemporary exploration of human relationships: self, community, world, and God through the lens of Christian spirituality.		A study of Buddhism as Asian spirituality and world religion; an examination of the Buddha's teachings, the expansion and development of Buddhism, and the teachings and practices of contemporary Buddhism.	
RELI 474 Understanding Christian Mystics	3 credits	RELI 492E (HIST 393/INST 368) Islamic Civilization	3 credits
The lives of Teresa of Avila and John of the Cross; their works and relevance for today.		Introduction to the history of Islamic civilization centering on the relationship of religion to society and culture; the origins of Islam; Islamic belief and practice; Islam, politics, and society; fine arts and intellectual developments; and Islam in the modern world.	
RELI 475 Spirituality and Social Justice	3 credits	RELI 492F Hinduism	3 credits
Explores the interconnectedness of the Christian experience of God and the commitment to justice in society; the dialectic of the mystical and prophetic dimensions of Christian existence.		Introduction to the foundations and milestones of Hinduism and the importance of Hindu mythology in shaping Indian culture and rituals.	
RELI 476 Prayer and Discernment	3 credits	RELI 493 (SOC 384) Sociology of Religion	3 credits
Practical spiritual and personal development: contemplative prayer, discernment, spiritual direction, healing ministry.		Social aspects of religion as viewed by classical and contemporary theorists. Religion's role in social change.	
RELI 479 Spirituality: Special Topics	3 credits	RELI 494 Judaism in Greco-Roman Culture	3 credits
RELI 481 Ignatian Spirituality	3 credits	This course is a survey of Jewish history, literature, and thought from Alexander to the rise of Rabbinic Judaism.	
The personal spirituality and legacy of St. Ignatius Loyola.		RELI 495 Religion Theology and Science	3 credits
RELI 482 Spirituality and Adult Life Cycle	3 credits	A survey of various theological mediations of science, society, and religion. What challenges and opportunities does contemporary science offer to contemporary Christianity? How might one speak of Christian belief, scientific method, and religious experience in the modern world?	
The dynamics of Christian growth in connection with contemporary life-cycle research.		RELI 496A Biblical Greek	3 credits
RELI 485 Feminism and Christianity	3 credits	RELI 496B Biblical Hebrew	3 credits
An investigation and critique of the dialogue between feminist theory and Christian theology. Specific issues and persons are selected for consideration.		RELI 496C Latin	3 credits
RELI 485A (WOMS 457) Women and Spiritual Journey	3 credits	RELI 498 Religion and the Radical Right	3 credits
An exploration of the impact of the women's movement on the understanding and experience of spirituality; issues include God-imagery, scriptural approaches, expressions of prayer and ritual.		An exploration of the worldview of the American Radical Religious Right by tracing themes of racism, nativism, anti-Semitism, and apocalypticism in selected groups. Special attention is given to the use of religion and the Bible in undergirding the radical views of the ideal American society.	
RELI 486 Creation Feminism, Ecology	3 credits	RELI 499 Senior Symposium	3 credits
A critical reflection on the relation between people, environment, values, and beliefs with specific attention to new models and metaphors of wholeness, equality, and mutuality suggested by feminist scholarship.		Integration of basic issues and methods of the discipline in a research project. Required of all religious studies majors during their fourth year. Students must register for both fall and spring semesters. Three credits total are given for both semesters.	
RELI 490 Directed Readings	1-6 credits		
Prerequisite: permission.			
RELI 491 (PHIL 466) God and Philosophy	3 credits		
Philosophical views about God and our knowledge of God.			
RELI 492 (INST 330) World Religions	3 credits		
The diverse non-Western religious beliefs and practices and various religious perspectives regarding world brotherhood and sisterhood. Includes an introduction to the religions of the world.			
RELI 492A Judaism	3 credits		
Judaism as a living religion and a diverse religio-cultural phenomenon; Judaism's history and a survey of contemporary Jewish religious practices.			

SOCIOLOGY

Chairperson: Edward Vacha

Professors: B. Coughlin, S.J., J. Rinehart, E. Vacha

Associate Professors: M. Marin, A. Miranne, G.

Weatherby

Assistant Professor: M. Bahr

Instructor: Andrea Fallenstein

The Department of Sociology offers the Bachelor of Arts degree in sociology. The study of sociology helps the student to develop an awareness of the connections between our individual experiences and the groups to which we belong. Learning the theories and methodologies of sociology provides students with an excellent foundation for a variety of careers, including law, government service, teaching, and business. The requirements for a major in sociology have been designed to facilitate the acquisition

SOCIOLOGY

of skills in social scientific theorizing and research design. The student may use the credits available in electives to pursue an interest in a specific content area of the discipline such as social inequality, social psychology, social institutions, or deviance.

Students have the opportunity to graduate with honors in the major if they have fulfilled all requirements, achieved a grade point average of at least 3.5 in their sociology courses, and written and defended a senior thesis (SOCI 498). In their fourth year, all sociology majors must complete SOCI 499 (Sociological Analysis).

Students who are planning to obtain certification in elementary or secondary education while majoring in sociology must consult with advisors in the department and in the School of Education in order to insure that both sets of requirements may be met. These students are advised to choose a minor which will broaden and strengthen their knowledge of social science.

B.A. Major in Sociology: 34 Credits**Lower Division Courses**

SOCI 101 Introduction to Sociology	3 credits
MATH 121 Statistics	3 credits
SOCI - - - Lower-division electives (excluding SOCI 100)	0-3 credits

Upper Division Courses

SOCI 304 Research Methods	4 credits
SOCI 411 Classical Social Theory	3 credits
SOCI 412 Contemporary Social Theory	3 credits
SOCI - - - Electives	12-15 credits
SOCI 499 Sociological Analysis	3 credits

Minor in Sociology: 18 Credits**Lower Division Courses**

SOCI 101 Introduction to Sociology	3 credits
SOCI - - - Electives (excluding SOCI 100)	0-6 credits

Upper Division Courses

SOCI - - - Electives	9-15 credits
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Lower Division Courses

SOCI 100 Culture, Ethnicity and Race: in the United States 3 credits
This course examines issues concerned with culture, ethnicity, and race as unique to the United States experience. The course will focus on the structures and circumstances that promote racist ideology; the nature of prejudice and discrimination, as well as survival and resistance strategies. This course is designed to serve non-majors and non-minors in sociology. This course does not count towards the sociology major or minor requirement.

SOCI 101 Introduction to Sociology 3 credits

A general survey of the field of sociology and how human society works. Materials focus on an understanding of modern societies.

SOCI 244 (WOMS 201) Sex, Gender, and Society 3 credits

Explores theories and research on the constructions of masculinity and femininity and how these influence our individual lives and social institutions.

Upper Division Courses

Note: unless otherwise stated, all 300-level SOCI courses have sophomore standing as a prerequisite.

SOCI 304 Research Methods 4 credits

Provides training and experience designing conducting, and analyzing social research through projects using surveys, interviews, and observation. The course is useful for students contemplating careers in which knowledge concerning people (customers, clients, employees, students, etc.) is needed for testing theories, making decisions, targeting appeals, etc. Required for all majors. Prerequisite: third year standing or permission of the instructor.

SOCI 322 (INST 315) Latin American Society 3 credits

An overview of Latin American development. Several socio-economic factors are examined. Development issues are broadly conceptualized within economic, demographic, and cultural dimensions. These variables are viewed as overlapping forces influencing development.

SOCI 323 Race and Minority Relations 3 credits

A consideration, through theory and research, of the concepts of race; racial conflicts; ethnic, political, sexual, and religious minorities; and the modes of adjustment to such situations.

SOCI 325 Mexican American Experience 3 credits

Course will study the historical development of Mexican American society and culture from 1848 to the present. Analysis of specific works of Mexican American literature and film that focus on the above themes will comprise second half of course. Diversity course. Team-taught in English.

SOCI 327 Social and Economic Inequalities 3 credits

Examines the distribution of such social rewards as income, power, style of life, wealth, and prestige among members of a society. Also considers a variety of sociological explanations for the distribution of rewards; compares and contrasts stratification systems across societies.

SOCI 328 Social Change 3 credits

Studies change in both individual and social structures. Emphasis on change at the societal level, especially with regard to the emergence of the modern industrial order and the possible future of this type of society. Taught at Gonzaga-in-Florence only.

SOCI 329 Sociology of Culture 3 credits

Focus on analysis of rules and values that constitute American culture, especially in relation to how these are portrayed in mass media and the built environment.

SOCI 330 Society and the Individual 3 credits

Social psychology introduces novelty into the ancient pastime of speculating about human behavior and human groups by attempting to use scientific methods. This course focuses on the relationship between individuals and groups. It includes an examination of the impact of groups on individuals, and the impact of individuals on the groups to which they belong. Topics covered include friendship, leadership, influence, the self concept, prejudice, and morality.

SOCI 332 Small Groups 3 credits

Studies the basic structure of small groups and examines the social processes that go on within them; including allocation of power, prestige, leadership, friendship, conflict, group productivity and decision making.

SOCI 333 Popular Culture and Film 3 credits

This course deals with contemporary film and the five social institutions of religion, economy, family, politics and education. Images of God, depiction of the family historically and currently, the value of education by ethnicity, evolving gender roles and distinctions, political rights and governmental intervention, and other social issues will be explored in depth primarily through the use of film.

SOCI 334 Collective Behavior 3 credits

Crowds, mass behavior, public opinion, riots and social movements are forms of human behavior characterized by the spontaneous development of new norms that often contradict/reinterpret existing norms. The course examines the classical and recent research on this social behavior.

SOCI 336 Socialization 3 credits

Much of what makes human life interesting and exciting revolves around personality - the complex cluster of traits that makes each of us unique. This course focuses on the way our experiences interacting with others in the family, school, and at work shape our personalities while preparing us to become a part of society.

SOCI 342 (WOMS 360) Gender, Family and Society 3 credits

Examines images and practices of family life in American society. Explores how family has become a significant political topic in contemporary America. Connects family issues to struggles about gender.

SOCI 348 Sociology of Death and Dying 3 credits

Presents perspectives on dying and death as cultural constructions and socially organized practices. Emphasizes the connections between how people live and die in America today, especially in terms of the differences due to gender, age, race, and ethnicity.

SOCI 350 Deviant Behavior 3 credits

Knavery, skullduggery, cheating, crime, malingering, cutting corners, immorality, dishonesty, betrayal, wickedness, and all other unconventional activities are forms of deviance. All known societies have members who become deviants. This course introduces students to several theories explaining deviance and examines the life styles of a variety of deviants.

SOCI 351 Criminology 3 credits

A study of crime and criminal offenders in America. Special attention will be given to criminal statistics, theoretical explanations, and public policy.

SOCI 353 Juvenile Delinquency 3 credits

An investigation of the nature and extent of juvenile delinquents in America. Special attention will be given to theoretical explanations; the effect of family, peers and school; and the history of the juvenile justice system in handling juvenile offenders.

SOCI 354 Sociology of Mental Illness 3 credits

This course provides an analysis of the problems of mental health and illness from the sociological perspective. Sociological approaches the definition of mental illness; the social epidemiology of mental illness, problems of recognizing and defining conditions of mental illness, and hospital and community treatment of mental illness will be covered.

SOCI 355 (CRIM 355) Elite and White Collar Crime 3 credits

This course examines organizational crimes and the crimes of the rich and powerful. The nature and extent of various types of white collar crime are explored. The major types of white collar crimes are described, discussed and analyzed and methods of controlling this form of crime are presented. This course also provides a survey of various sociological explanations for white collar crime.

SOCI 381 Politics and Society 3 credits

An empirical analysis of the major theories which attempt to describe the actual distribution of power in America. The course is primarily concerned with how power in societies is contested, given legitimacy, and sustained; it also examines political behavior of the public focusing on voting behavior.

SOCI 382 Population and Society 3 credits

There are more people on this planet than ever before, and the problems associated with population growth seem to be everywhere. Urban crowding, disease, poverty, ethnic tensions, refugees, illegal immigration, environmental degradation, unemployment, aging and the social security "crisis" are just a few of these troubles. This course introduces students to the study of population and demography to help them better understand these issues. After learning how to measure and analyze population characteristics and trends, students will explore the relationship between population changes and contemporary social and political issues in the developing regions of the world.

SOCI 384 (RELI 493) Sociology of Religion 3 credits

Studies works of classical and contemporary sociologists on the social and cultural aspects of religion. Examines how religion is influenced by social conditions and often plays an important role in shaping society.

SOCI 385 Law and Society 3 credits

An examination of the legal process from the emergence of legal norms to the impact of legal sanctions from a sociological point of view. The course focuses on the social processes that influence the development of specific laws, the administration of the law, and the impact of legal sanctions.

SOCI 388 Sociology of Education 3 credits

The sociology and social psychology of schooling. Topics will include race, social class and school success; functions of schooling; classroom group dynamics; the impact of grouping; and how schooling today compares to schooling in other societies and to schooling in the past.

SOCI 390 (WOMS 401) Feminist Thought 3 credits

Analyzes the contributions of feminist scholars to social and political theory and shows how feminist scholarship is transforming topics, methods, and goals. Reviews the major approaches to feminist theorizing and invites students to put these to work examining contemporary social and political issues. Prerequisite: SOCI 244 (WOMS 201) or permission.

SOCI 395-399 Topics in Sociology 3 credits

Specific topics to be selected by the professor. Prerequisite: second year standing.

SOCI 411 Classical Social Theory 3 credits

Analyzes the theories developed by Marx, Weber, Durkheim, and others during the nineteenth and early twentieth centuries and how these continue to influence the work of sociologists today. Invites students to examine their own practices of theorizing. Fall.

SOCI 412 Contemporary Social Theory 3 credits

Explores the major strategies for sociological theorizing developed during the twentieth century in America and Western Europe. Considers how constructions of modernity and postmodernity are central to understanding what theorizing means and what it can contribute to our work as sociologists and as citizens. Spring.

SOCI 478 (ECON 307) Social and Economic Development of Italy 3 credits

The impact of social theories on economic problems in Italy. The Mezzogiorno treated from the economic, sociological, political, and religious points of view. Offered at Gonzaga-in-Florence. Prerequisite: third year standing.

SOCI 486-489 Seminars 1-3 credits

Topics selected by departmental faculty. Prerequisite: third year standing.

SOCI 490 Directed Readings 1-3 credits

Supervised advanced reading in one of the previously mentioned areas. Except under highly unusual circumstances, prerequisite is the student's having performed satisfactorily in a course dealing with the subject matter of the readings. Prerequisite: permission of the chairperson.

SOCI 496 Practicum in Sociology 1-3 credits

Supervised experience in a selected social agency. Credit by arrangement. Prerequisite: fourth year sociology major or permission. Prerequisite: SOCI 101.

SOCI 497 Independent Research Project 1-3 credits

Approved directed experience in sociological research proposed by the student. Prerequisite: third year standing and permission.

SOCI 498 Senior Honors Thesis 3 credits

Students with a 3.7 grade point average in their sociology courses who wish to be graduated with departmental honors in sociology must enroll in this course in the semester prior to the semester in which they are graduated. Work is done under the direction of a faculty member from the department. The student must pass an oral examination of the thesis administered by the department. The thesis may be theoretical or based upon empirical research. Prerequisite: 3.7 GPA in sociology and permission.

SOCI 499 Sociological Analysis 3 credits

Offers sociology majors the opportunity to review theories and research, and to consider how these might be useful for understanding current social issues. Required of all sociology majors and fulfills comprehensive examination requirement. Spring Prerequisite: permission.

WOMEN'S STUDIES

Director: RaGena DeAragon

Gonzaga's Women's Studies Program provides students with the tools they need to participate competently in our society's current conversation about gender. This multi-disciplinary program examines the historical and contemporary circumstances which have shaped the relationships between men and women. It raises fundamental questions about gender relations, explores philosophical assumptions about human nature, and considers the possibility of new social practices which will bring about greater equality and mutual understanding. The program offers a twenty-one credit concentration in Women's Studies. There are three required courses (WOMS 201, 401, and 499). Students also select four electives from courses in several disciplines, including English literature, history, modern languages, philosophy, political science, religious studies and sociology. A maximum of six elective credits may be lower-division courses with a WOMS number. Furthermore, a maximum of six elective credits may be Component courses with the remainder of electives being full women's studies courses. Full women's studies courses systematically use the methods, themes, and approaches of feminist scholarship throughout the semester. In component courses, one-third to one-half of the course material addresses gender issues and/or uses feminist perspectives. A maximum of nine credits may be taken in any one department. WOMS 401 will not be included in this count. Students should also note the policy in this catalogue on multiple usage of courses for meeting degree requirements in the WOMS concentration and the core or major/minor.

Concentration in Women's Studies: 21 credits**Lower Division Courses**

WOMS 201 Sex, Gender, and Society	3 credits
WOMS 200 level Electives	0-6 credits

Upper Division Courses

WOMS 300 level and above Electives	6-12 credits
WOMS 401 Feminist Thought	3 credits
WOMS 499 Symposium	3 credits

Note: Component courses have a "C" suffix.

Lower Division Courses

WOMS 201 (SOCL 244) Sex, Gender and Society 3 credits
Explores theories and research on the constructions of masculinity and femininity and how these influence our individual lives and social institutions.

WOMS 220C (ENGL 202) Studies in Fiction 3 credits
Explores the elements of fiction through careful examination and discussion of short stories and novels. While not all authors read are women, the focus is primarily on female characters, gender roles, and feminist themes and issues. This course satisfies the ENGL 200 requirement. Prerequisites: ENGL 101 and 102.

WOMS 237C (PHIL 301) Ethics 3 credits
Explores several approaches to ethics, including a feminist perspective, considering how each theoretical approach is grounded. Examines the process of ethical decision making and how gender affects how we approach ethical issues. Contemporary ethical issues are examined, some of which are gender related. This course satisfies the PHIL 301 requirement. Prerequisite: PHIL 201.

WOMS 251 (RELI 110) A Feminist Intro to Old Testament 3 credits
This course will introduce students to the Old Testament with special attention given to texts dealing with women. After analyzing the literary types and social roles of biblical women, the course examines how their stories shaped attitudes toward women in American society. In addition to the biblical text, students read contemporary feminist and womanist commentators and study what is involved and presumed by a feminist reading of the Bible. This course satisfies the RELI 100 requirement.

WOMS 252C (RELI 210) Christian Doc From Femnst Prsp 3 credits
Informed by the voices of contemporary feminist theologians and biblical scholars, this course examines the traditional understanding of what it means to live Christian faith in a pluralistic world. This course satisfies the RELI 200 requirement. Prerequisite: RELI 100 level.

WOMS 255C (RELI 230) Contemporary Church-A Feminist Perspective 3 credits
The focus of this course is to examine the identity and mission of the church as an institution and a community of faith emerging from Vatican Council II. Feminist theology will provide the lens for examining the role of women in the Church in both historical and cotemporary situations. Prerequisite: RELI 100 level.

WOMS 271C (HIST 101) Western Civilization I 3 credits
An introduction to women and men in the civilizations in the Mediterranean region and Europe from circa 3100 BC to AD 1648, with a focus on political, social, economic, religious and cultural matters; this course will highlight individual and group ideas, institutions and events which have contributed to western society. This course satisfies the HIST 100 level requirement.

Upper Division Courses

WOMS 313 (POLS 313) Think Globally, Act Locally 4 credits
Studies the changes that globalization precipitates in the economy, in the capacity of the welfare state, and in civic activity. Develops new "habits of the heart" and political engagement including advocacy; service learning through local organizations to perform all forms of household labor for women who are raising children alone.

WOMS 321C (ENGL 310) American Literature I 3 credits
This course examines a variety of genres in American Literature through the 1840s: essays, novels, short stories, sermons, poems, women's captivity narratives, and autobiographies. The course will progress from Spanish and Native American narratives of contact to the self-questioning of Puritan writers and the mythologizing tendencies of Crèvecoeur, Franklin, Cooper, and later writers. In exploring Native American and African American texts as well as works by Emerson and Hawthorne, students will consider the ways in which gender and race help to shape an American literary canon. Prerequisite: Sophomore standing or permissions.

WOMS 323C (ENGL 311) American Literature II 3 credits
The course analyzes the development of American literature from the romanticism of the 1830s to the full blooming of the American Renaissance of the 1850s and 1860s. Writers such as Hawthorne, Poe, Emerson, Whitman, Thoreau, and Dickinson will be read alongside less canonical writers such as Fuller, Davis, Douglass, Jacobs, and Stowe. This course seeks to broaden an understanding of American Literature by reading works from a variety of genres (short stories, poems, essays, autobiographies, novels) and from writers of different races, classes, and geographical backgrounds. Prerequisites: English core required.

WOMS 324C (ITAL 322) The Italian Historical Novel 3 credits
This course will explore the development of the historical novel in Italy with a strong emphasis on modern historical novels.

WOMS 325C (ENGL 318) African American Literature 3 credits
Examining both nineteenth and twentieth century literary works, African American Literature seeks to expose students to the historical, aesthetic, and cultural backgrounds of black writers and writing in America. The course will begin with the classic slave narratives. Late nineteenth- and early twentieth-century black intellectuals (e.g., Booker T. Washinton and W.E.B. Dubois) will serve to introduce the students to the social and political dissension among advocates of black liberation. The course will examine the aesthetic flowering of writers of the Harlem Renaissance (e.g. Langston Hughes and Zora Neale Hurston) and will conclude with close reading of twentieth century plays and novels (e.g. Lorraine Hansberry, Ralph Ellison, Toni Morrison, August Wilson) Fulfills American Literature requirement. Prerequisites: English core required.

WOMS 326C (ENGL 312) American Literature III 3 credits

This course surveys American literature from the 1870s to 1950. We will discuss some of the following developments and authors of the 19th Century: The rise of realism (James, Wharton) and naturalism (Crane, Dreiser), regional literature (Jewett, Freeman), and African American literature (Washington, DuBois, Chesnut). The survey of 20th century works includes works by several modern poets (Eliot, Frost, Hughes), novelists (Huron, Faulkner, Welty), and dramatists (Odetts, O'Neill). Prerequisites: English core required

WOMS 331 (HIST 363) History of Women in Colonial Latin America 3 credits

This course will investigate the lives of women in both the pre-contact and post-conquest societies. The first part of the course concentrates on the activities of women, and their role in society, among the Aztec, Inca, and Pueblo civilizations. The course will follow with a study of their experiences after the Spanish Conquest. The final section of the course will cover the variety of women and their experiences in the Spanish colonies, including one woman who fled a nunnery dressed as a man, served in the Spanish army and killed numerous men in duels.

WOMS 340 (POL 322) Gender and Politics 3 credits

Survey of feminist theories and their impact on the political position of women in America. The history of the postwar women's movement in the U.S. A variety of issues raised by women will be explored, and placed in comparative context to further illuminate possible choices and consequences. On sufficient demand.

WOMS 342 (INST 326/POL 363) Women in Comparative Societies 3 credits

Through a comparative lens that uses the United States as an initial reference point, this course will focus on legal and political issues of concern to women world wide. These include an exploration of: marriage and family laws and traditions; the gendered nature of work regimes and educational opportunities; health and reproductive policies; global patterns of violence against women; women's movements. Prerequisite: second year standing.

WOMS 343 (POL 303) Civil Liberties: Race and Gender 3 credits

Civil liberties is the legal face of the fundamental issue of democratic politics: how can we combine majority rule AND cultural pluralism AND protection of individual rights? This course begins by studying traditional civil rights: the tension between protection of individual rights and the power of the majority in a democracy. Then we survey how that traditional understanding has been modified to protect "individuals" who are only in court because they belong to a non-mainstream group or subculture. Then we focus in depth on two such groups - African Americans and women - reading books which argue that the traditional individualistic understanding of civil rights fails to provide justice. Finally we conclude with a mainstream defense of the traditional view.

WOMS 344 (POL 327) American Social Policy 3 credits

This course examines the origins, patterns, reforms, and criticisms of American social policy. Ties between knowledge and social policy are studied. The particular impact of education, health care, and welfare policies on women, children, different racial and ethnic groups, and the middle class are considered. Normative claims for the proper role of the state and capitalism are reviewed. Comparisons are made with other western, capitalist societies and their policy regimes. On sufficient demand.

WOMS 350 Women in the Visual Arts 1875-1975 3 credits

This course examines the work of women artists in North America and Europe from 1875 to 1975. Initially, we will examine the social, political, and ideological restrictions that have historically limited women's involvement in the visual arts: however, we will also consider, through a series of case studies (e.g. Mary Cassatt, Suzanne Valadon, Romaine Brooks, Kathe Kollwita, Lee Krasner, Eve Hesse, Judy Chicagok, Faith Ringgold, and Mary Kelly), how women artists have chosen to define themselves and to forge their own artistic identities despite these limitations. Although the course will focus on women as creators of art, it will also address how women have been represented by men and other women. General themes of the course include the nature of gendered space; women and modernism; women and abstraction; visualizing "female" experience; and the intersection of gender with race, class, and/or sexual identity.

WOMS 355 (RELI 385) Feminist Theologies 3 credits

Examines the tasks of feminist theologians and surveys the challenges and unique contributions they make to the integrity and vitality of contemporary Christianity. Prerequisites: RELI 100 and 200 Level.

WOMS 356 (RELI 370A) Women and Christian Spirituality 3 credits

Explores the major theological and spiritual foundations of Christian spirituality. Considers how women have, at different points in Christian history, lived the "spiritual life." Also considers new questions that have been raised in recent years about women's experiences of God. Prerequisites: RELI 100 and 200 level courses.

WOMS 360 (SOCL 342) Gender, Family and Society 3 credits

Examines images and practices of family life in American society. Explores how family has become a significant political topic in contemporary America. Connects family issues to struggles about gender. Prerequisite: second year standing.

WOMS 370 (HIST 361) Women in Early European History 3 credits

A survey of women and gender in western civilization, prehistory to c. 1600 A.D. The focus is on such topics as work, marriage, the family, sexuality, power and definitions of gender, with an emphasis on reading historical documents. Prerequisites: HIST 101, second year standing.

WOMS 384 Women's Studies Internship 2-3 credits

Opportunities to work as an intern with various agencies that assist women in Spokane. Students meet to discuss their experiences and write a paper integrating their internship experience with their women's studies course work. Fall and Spring. Prerequisites: Twelve credits of WOMS required.

WOMS 401 (POL 341/SOCI 390) Feminist Thought 3 credits

Analyzes the contributions of feminist scholars to social theory and shows how feminist scholarship is transforming topics, methods, and goals. Reviews the major approaches to feminist theorizing and invites students to put these to work examining contemporary social and political issues. Spring. Prerequisite: WOMS 201 (SOCL 244)

WOMS 416 (ENGL 436) 18th Century British Novel 3 credits

The British novel from Behn to Austen. Prerequisites: English core required.

WOMS 418 (ENGL 330) Shakespeare: Gender and Genre 3 credits

Gender and Genre: This course will study the language, themes, and preoccupations of Shakespeare, as well as his social, philosophical, and historical context. All the texts selected for our close reading will feature strong female figures, and we will pay particular attention to the construction, impact, and implications of these women on other characters, on the form of their texts, and on us, the inheritors of their literary and cultural tradition. Readings will include Taming of the Shrew, Macbeth, and Anthony and Cleopatra, in addition to secondary sources featuring feminist theory and literary criticism. Satisfies the Shakespeare requirements for English majors. Prerequisites: English core required.

WOMS 420C Language and Cultural Identity 3 credits

This upper division seminar is designed for students who are interested in sociocultural perspectives on identity and language and their intersection in diverse cultural communities. Our goal will be to explore the theoretical and methodological issues and substantive findings surrounding current research focusing on identity and language. We will also examine related theoretical and empirical research on identity and language (multicultural education, literacy education, feminist pedagogy). Prerequisites: English core required.

WOMS 421C (ENGL 314) Multicultural Literature of the United States 3 credits

In this course, students will study literature by different social, ethnic, and racial groups in America. Topics, texts, and approaches for the course will vary; however, readings will generally include works by African-American, Native American, Asian American, and Latino/a writers. Students will develop a critical vocabulary for approaching issues related to cultural, ethnic, racial, class, gender, and/or sexual diversity. Students will also investigate questions related to minority voice, cultural hybridity, and identity construction. Prerequisites: English core required.

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WOMS 422C (ENGL 413) 19th Century American Novel 3 credits

This course explores the diverse literary themes, social contexts, and intellectual backgrounds of the American novel from its beginnings in romantic tradition through the realist and naturalist movements of the late nineteenth century. Works by Hawthorne, Melville, Stowe, Wharton, James, Twain, Harper, and others offer a rich opportunity to investigate issues not only of literary value but of race, class and gender in nineteenth-century America. In addition to analyzing each work's form and genre, we will ask the following questions: What accounts for the inclusion (or exclusion) of this work from the canon of American literature? In what ways does the work reflect, critique, or ignore its social context? Prerequisites: English core required.

WOMS 423C (ENGL 414) 20th Century American Novel 3 credits

This course features works by Edith Wharton, Ernest Hemingway, F. Scott Fitzgerald, William Faulkner, Eudora Welty, Ralph Ellison, EL Doctorow, and Toni Morrison. Although emphasis will be on close readings of the novels, we will also examine them against the backgrounds of social history, literary history, and race and gender in American culture. Students are expected to participate in class discussion, collaborate in group work, and write in-class exercises and formal critical essays. Prerequisites: English core required.

WOMS 424C (ENGL 462) Studies in the Novel 3 credits

Focuses on thematically or historically related novels (general topic/theme of the class varies). Through close examination of texts, critical background and theory, this course explores the way gender issues, among other issues, are portrayed by various English and/or American writers. Prerequisites: English core required.

WOMS 425C (ENGL 316) Studies in Post-Colonial Literature 3 credits

This course involves the study of works (in English) by writers responding to the social, cultural, and economic impact of Western colonization and imperialism. Works in the course may vary; however, literary texts from Africa, South Asia, India, New Zealand, and the Caribbean will typically be represented. Throughout the course, students will examine a range of political issues associated with the history of colonialism and its aftermath, including topics such as the ideological construction of "the West;" the spread of global capitalism; the tensions of cultural negotiation; and the politics of class, race, and gender as they relate to the formation of the nation-state. Prerequisites: English core required.

WOMS 426 (SPAN 441) Women Writers in Spanish Literature 3 credits

The topics of this course will change periodically. Works will be considered within their social and ideological context. We will raise questions of power, knowledge, and explore the ways power impinges on being/body/tongue. Prerequisite: ENGL 102.

WOMS 427 (ITAL 440) Women in Italian Literature 3 credits

This course will analyze five novels by Italian women writers. The course will explore the forces that have historically disenfranchised and isolated women, and what is important and beautiful in women's writing. Prerequisite: Sophomore standing or permission.

WOMS 435 (PHIL 456) Feminist Ethics 3 credits

Explores women's experiences of oppression and some of the ways in which this has marginalized their concerns and their perceptions of the moral dimension. Feminist contributions to rethinking the concept of moral agency, the traditionally sharp distinction between the public and private domains, the relevance of personal relationships to ethics, and the process of moral development and moral decision making are considered. Prerequisite: PHIL 301.

WOMS 457 (RELI 485A) Women and the Spiritual Journey 3 credits

An exploration of the impact of the women's movement on the understanding and the experience of spirituality, issues include God-imagery, scriptural approaches, expression of prayer and ritual. Prerequisites: Religious studies core required.

WOMS 460 (ENGL 460) Studies of Women Writers 3 credits

This course will examine various literary works written in dialogue with or in response to other literary works; but not all of the texts we examine will illustrate women writers responding to earlier male authors. Prerequisites: English core required.

WOMS 490 Directed Reading 1-3 credits

Supervised reading in one of the previously mentioned areas of study, not to replace existing courses but to provide an opportunity for advanced study not available within the regular curriculum. Prerequisites: WOMS 201 and WOMS 401.

WOMS 491 Directed Study-Women's Studies 1-3 credits

Directed Study requires completion of a form, department permission.

WOMS 499 Symposium in Women's Studies 3 credits

The capstone course in the Women's Studies concentration provides an opportunity for a special kind of faculty and student conversation. Responsibility for organizing and structuring this course will rotate among women's studies faculty. Topics will vary. Regardless of the texts or topics, the goals will be to create a conversation in which students play active roles and in which they develop collaborative process skills as well as analytic and writing skills. Students will share responsibility for initiating and facilitating class discussions. Students and faculty will work together to develop credible readings of assigned texts. Students will write regularly. Finally, where possible, faculty and students will discuss implications of the course readings and conversation for the anticipated future work worlds of the students. Prerequisites: WOMS 201 (SOCI 244) and WOMS 401 (SOCI 390/POLS 341).