

PHI 4921 Directed Readings in the Philosophical Writings of C.S. Lewis (1–5) Registration approval: Independent Study Agreement. Offers directed study in the explicitly philosophical writings of Lewis, e.g., *The Abolition of Man*, *The Problem of Pain*, *Miracles*, *The Four Loves*, *The Weight of Glory and Other Addresses*, and *God in the Dock*. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

PHI 4930 Philosophy Practicum (1–5) Registration approval: Instructor. For advanced students who wish to assist as discussion leaders and readers in lower-division philosophy classes. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to philosophy majors. Class not open to freshmen and sophomores.

PHI 4940 Philosophy Internship (1–5) Registration approval: Intern Learning Contract Req. Prerequisite: 30 credits of philosophy. Practical application of philosophical skills. (See philosophy Website for illustrative possibilities.) May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to philosophy majors. Class not open to freshmen and sophomores.

PHI 4950 Special Topics in Philosophy (1–5) An in-depth exploration of a specific philosophical topic chosen by the instructor. Recent topics include the problem of evil, the doctrines of the trinity and incarnation, political philosophy and C.S. Lewis on the quest for the permanent things. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class open to juniors and seniors.

PHI 4970 Independent Research (1–9) Registration approval: Instructor. Attribute: Upper-Division.

Faculty

Phillip N. Goggans, Associate Professor of Philosophy; B.A., Asbury College, 1985; M.A., University of Kentucky, 1988; Ph.D., Syracuse University, 1993. At SPU since 1993.

C. Stephen Layman, Professor of Philosophy; Chair of Philosophy; B.A., Calvin College, 1977; Ph.D., University of California, Los Angeles, 1983. At SPU since 1986.

Patrick McDonald, Assistant Professor of Philosophy; B.A., Seattle University; M.A., University of Notre Dame, 1997; Ph.D., University of Notre Dame, 2001. At SPU since 2001.

Michael H. Macdonald, Professor of Philosophy and European Studies; B.A., Pacific Lutheran University, 1963; M.A., University of Washington, 1964; Ph.D., 1974. At SPU since 1967.

Physical Education

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Bruce D. Congdon, *Dean of the College of Arts and Sciences*

Dan Tripps, Chair, **JoAnn Atwell-Scrivner**, **Bud Turner**,
Bob Weathers

A primary goal of the Physical Education Department is to promote healthy lifestyles through good decision making, improved fitness and lifetime movement skills. Students who major in physical education proceed through a sequential, comprehensive curriculum that prepares them to enter a variety of movement-related professions, including teaching, fitness training and recreational leadership. Students who major in exercise science often pursue such diverse fields as physical therapy, medical school, sport medicine, corporate fitness and cardiac rehabilitation. Both majors

require the same capstone course (PE 4899), which requires students to research a topic, write a well-documented paper and present it before a group of their professors and peers. All physical education and exercise science majors are required to complete the 43 credits of core courses, as well as an additional 29 credits that are unique to their major.

Admission and GPA Requirement

Students wishing to major in physical education or exercise science must complete at least 43 quarter credits of college coursework with a minimum 2.5 GPA, including 9 credits taken at SPU that apply to the major or minor.

Requirements for the Majors

Refer to pages 60–62 for a summary of degree requirements.

Core Courses

BIO 2129 Human Anatomy and Physiology	5
BIO 2130 Human Anatomy and Physiology	5
PES 1301 Wellness	5
PES 2195 Philosophy of Health and Physical Activity	5
PES 2550 Safety and First Aid	4
PES 3560 Social-Psychological Aspects of Activity	4
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PES 4899 Contemporary Issues in Health and Fitness	5
Total	43

Requirements for the Physical Education Major

72 credits; 35 upper-division

Core courses	45
PES 2614 Teaching Team Sports	2
PES 2615 Teaching Leisure Activities	2
PES 2617 Teaching Individual Sports	2
PES 2647 Teaching Health and Fitness	2
PES 2555 Community Health	5
PES 3510 Teaching Health and Physical Education	5
PES 3545 Programs for Special Populations	3
PES 3575 Motor Learning and Development	4
PES 4575 Coaching and Training Seminar	4
Total	29

Note: For teacher certification, refer to the School of Education section of this Catalog for admission requirements and details.

Requirements for the Exercise Science Major

72 credits; 41 upper-division

Core courses	45
CHM 1211 General Chemistry	5
CHM 1330 Organic and Biological Chemistry	5
FCS 3340 Human Nutrition	5
FCS 4310 Nutrition in Sports and Exercise	3
PES 4585 Applied Exercise Science	5
PES 4930 Exercise Science Practicum	1
PES 4940 Internship	2
PES 3545 Programs for Special Populations or PES 4575 Coaching and Training Seminar	3
Total	29

Fitness Competency Requirement

Prospective majors in both exercise science and physical education are required to achieve a satisfactory score in each of the six areas of the Fitnessgram or complete a department-approved fitness program prior to being officially admitted.

Requirements for the Minors in Physical Education

37 credits; 15 upper-division

PES 1301 Wellness	5
PES 2195 Philosophy of Health and Physical Education "W"	5
PES 2550 Safety, First Aid and Sport Injury Management	4



PES 2555 Health Issues and Curriculum	5
PES 2614 Teaching Team Sports	2
PES 2615 Teaching Leisure Activities	2
PES 2616 Teaching Individual Sports	2
PES 3510 Teaching Health and Physical Education	5
PES 3545 Programs for Special Populations	3
PES 3560 Psychological Aspects of Sports and Exercise "W"	4
Total	37

Requirements for Health and Fitness Endorsement

Students seeking to obtain a Washington state teaching endorsement in health and fitness must complete a minimum of 45 credits in physical education to obtain their original/first endorsement or a minimum of 24 credits in physical education to obtain a supporting/second endorsement. The credit total must include coursework drawn from the categories listed below.

Required Domain Coursework

Foundation of Health and Fitness

Select one:

PES 1301 Personal Health and Wellness (5)

PES 4960 Project (1–6)

PES 6960 Project (1–6)

Safe Living, Including First Aid and CPR

Select one:

PES 2550 Safety and First Aid (4)

PES 4900 Independent Study (1–5), plus American Red Cross Certification

PES 6900 Independent Study (1–5), plus American Red Cross Certification

Scientific Foundations for Health and Fitness

Select two:

PES 3570 Biomechanics (5)

PES 3580 Exercise Physiology (5)

PES 4575 Coaching and Training Seminar (4)

PES 6802 Enhancement of Human Performance (3)

Movement, Activities and Application With Attention to Special Needs Population

PES 3545 Programs for Special Populations 3

PES 6950 Special Topics Seminar 1–5

Coordinated Health Education

Select two:

PES 2555 Health Issues and Programs 5

PES 6803 Health Promotion 3

Required Pedagogy Coursework

PES 3510 Teaching Physical Education 5

PES 6900 Independent Study 1–6

Required Field Experience/Internship

As arranged with School of Education

Leisure Activities Program

Leisure provides a unique opportunity to become a more fulfilled and complete person. The Department of Physical Education offers a wide spectrum of activity classes in which basic skills can be learned and refined to the point of independent participation.

Physical Education Courses

PES 1001 Football Clinic (1) Introduces students to basic rules and competitive strategies of football.

PES 1002 Soccer Clinic (1) Introduces students to basic rules and competitive strategies of soccer.

PES 1003 Basketball Clinic (1) Introduces students to basic rules and competitive strategies of basketball.

PES 1004 Softball Clinic (1) Introduces students to basic rules and competitive strategies of softball.

PES 1005 Volleyball Clinic (1) Introduces students to basic rules and competitive strategies of volleyball.

PES 1006 Floor Hockey Clinic (1) Introduces students to basic rules and competitive strategies of floor hockey.

PES 1100 Outdoor Survival (2) Basic information for the outdoor leisure courses. Teaches how to recognize wilderness dangers as well as wilderness survival. Course will cover knowledge and skill acquisition concerning safety and injury prevention. Topics covered will include temperature control; equipment selection and maintenance; map reading; compass navigation; and emergency protocol. Extra fee.

PES 1109 Weight Training (2) Covers the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring and personal orientations required for independent weight training. Students will need an active SPU email account for this course, as initial instructions will be sent to students through that account and scheduled workout reporting must be submitted to faculty through that account.

PES 1110 Backpacking (2) Prerequisite: PES 1100 or permission of instructor. Introduces students to backpacking as a leisure activity and provides students with knowledge and skills to safely and enjoyably participate in the sport. Extra fee.

PES 1111 Weight Training II (2) Prerequisite: PES 1109. A continuation of the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring and personal orientations required for independent weight training. Students will need an active SPU email account for this course.

PES 1113 Weight Training III (2) Prerequisites: PES 1109, 1111. A continuation of the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring and personal orientations required for independent weight training. Students will need an active SPU email account for this course.

PES 1115 Martial Arts (2) Introduces students to basic techniques of different styles of martial arts. Students will learn basic principles behind various strikes, kicks and blocks. Encompasses differences in body movement, physical body expectations and various philosophies in self defense. The class will show strengths and weaknesses of each system, and it will enhance body movement, agility strength, flexibility, and hand and eye coordination.

PES 1120 Hiking (2) Registration approval: Instructor. Students will experience Northwest trails and beauty spots, one-day wilderness treks along beaches, or forest or mountain trails. Extra fee.

PES 1125 Snowshoeing and Cross-Country Skiing (2) Registration approval: Instructor. Introduces students to snowshoeing and cross-country skiing as leisure activities, and provides students with knowledge and skills to safely enjoy these sports. May be repeated for credit one time.

PES 1135 Rowing (2) Introduces students to basic rowing techniques, skills, equipment and conditioning for continued involvement in recreational, fitness or competitive rowing.

PES 1145 Canoeing and Kayaking (2) Introduces students to canoeing and kayaking as leisure activities. Emphasis is given to practicing skills on flat water. Extra fee. May be repeated for credit one time.

PES 1150 Sailing (2) Introduces students to small-boat day-sailing as a leisure activity and provides students with the knowledge and skills to safely and enjoyably participate in the sport on protected water. Extra fee.

PES 1160 Conditioning (2) Covers the scientific principles of cardiovascular conditioning, exercise selection, safety program design variables, workout monitoring and personal orientations required for independent fitness training. Students need an active SPU email account for this course, as initial instructions will be sent to students through that account and scheduled workout reporting must be submitted to faculty through that account.

PES 1161 Walking/Jogging (2) Introduces students to aerobic and fitness information while providing opportunity to engage in a pleasurable lifelong leisure activity. Local parks and interesting walking routes will be explored. May be repeated for credit one time.

PES 1162 Conditioning II (2) Prerequisite: PES 1160. This course provides students with further opportunities to engage in selected activities individually designed to increase their level of fitness knowledge and skills for the enjoyment of conditioning as a lifelong leisure activity.

PES 1164 Conditioning III (2) Prerequisites: PES 1160, PES 1162. This course provides students with further opportunities to engage in selected activities individually designed to increase their level of fitness knowledge and skills for the enjoyment of conditioning as a lifelong leisure activity.

PES 1165 Introduction to Dance (2) Introduces students to basic techniques and rhythms of one of several dance styles including aerobics, jazz, hip-hop, folk, ballet, improvisational and creative dance. May be repeated for credit one time.

PES 1175 Fencing (2) Introduces students to basic instruction in the sport of fencing. Technical emphasis on basic footwork, defense and parry systems, methods of attack and counterattack, judging and directing standard foil competition. May be repeated for credit one time.

PES 1180 Golf (2) Introduces students to the fundamental skills, techniques and rules of golf for enjoyment as a recreational sport. Extra fee. May be repeated for credit one time.

PES 1185 Badminton and Pickleball (2) Introduces students to the basic rules, skills and game strategies of badminton and pickleball for enjoyment as recreational sports. May be repeated for credit one time.

PES 1190 Tennis (2) Introduces students to the fundamental skills, game strategies, rules and personal orientations required for playing tennis at a beginning level. May be repeated for credit one time.

PES 1195 Scuba (2) Registration approval: Instructor. Introduces students to skin and scuba diving as leisure activities. Involves the classroom, pool and open-water training required for skin or scuba diving certification. Extra fee.

PES 1196 Advanced Scuba (1) Registration approval: Instructor. Prerequisite: PES 1195. Provides the six open-water training dives required for advanced scuba-diving certification and additional dives or study as arranged. May be repeated for credit one time.

PES 1199 Leadership Camp (2) Provides personal growth and self-discovery through a five-day wilderness experience before the beginning of Autumn Quarter. Extra fee.

PES 1200 Softball (2) Introduces students to softball as a leisure activity and provides students with knowledge and skills to safely and enjoyably participate in the sport.

PES 1301 Personal Health and Wellness (5) Examines lifestyle decision making, presents basic knowledge on concepts of health and wellness: mental health, nutrition, physical activity, leisure and work, addictive behavior and prevention of chronic illness. Relates course content to spiritual, social, emotional, intellectual and physical well-being and to the development of an integrated lifestyle. Extra fee for wilderness-based delivery. Course equivalents: FCS 1301 and HSC 1301. Attribute: Wellness.

PES 1455 Men's Basketball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1456 Women's Basketball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1460 Women's Gymnastics (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1465 Cross Country (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1470 Men's Soccer (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1471 Women's Soccer (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1475 Track and Field (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1476 Indoor Track (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit up to 3 credits.

PES 1480 Men's Crew (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1481 Women's Crew (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1495 Women's Volleyball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 2195 Philosophy of Health and Physical Activity (5) Presents information about how exercise, fitness, play, games and sport evolved in American culture. Using several interpretive frameworks, the course explores topics such as the mind/body relationship, family and peer influences, and the impact of gender, race, religion, subcultures, social movements, urbanization, technology and socioeconomics on the way contemporary society views health and participates in physical activity. Attribute: Writing Course.

PES 2550 Safety, First Aid and Sport Injury Management (4)

Presents basic skills of accident prevention and emergency treatment of injury and illness in a variety of situations. Topics include legal liability and accident response; respiratory emergencies and rescue breathing; circulatory emergencies and cardiopulmonary resuscitation; hemorrhage control; shock; sudden illness; burns; injuries from exposure to heat and cold; poisoning; drug-abuse emergencies; bone and joint injuries; and rescue and transfer. Treatment and management of injuries as they relate to sport and physical activity will also be included. Accident simulations are staged to gain practice in emergency care. Extra fee. Class not open to freshmen.

PES 2555 Community Health (5) Prerequisite: PES 1301.

Identifies major health issues and provides familiarization with current programs dealing with these problems through a holistic approach. Topics include community and consumer health, substance use and abuse, lifetime sexuality, child abuse, violence, environmental health factors and communicable disease. Home, school, church and community center resources are included and developed as potential health delivery systems and health promotion areas. Class not open to freshmen.

PES 2606 Dance (1) Covers the fundamental skills, basic rules, terminology and teaching strategies necessary to plan and deliver effective instruction in aerobics, jazz, folk, ballet, improvisational and creative dance.

PES 2613 Conditioning Techniques (1) Covers the scientific principles, terminology, fundamental paradigms and teaching strategies necessary to plan and deliver instruction for musculoskeletal, aerobic and anaerobic training.

PES 2614 Teaching Team Sports (2) Covers the fundamental skills, basic rules, terminology and teaching techniques necessary to plan and deliver effective instruction in selected team sports such as baseball/softball, basketball, rugby, football (American and Australian rules), soccer, team handball and volleyball.

PES 2615 Teaching Leisure Activities (2) Covers the fundamental skills, basic rules, terminology and teaching techniques necessary to plan and deliver effective instruction in selected leisure activities such as archery, bowling, badminton, camping and other outdoor pursuits, dance, roller skating, inline skating, pickleball, racquetball and table tennis.

PES 2616 Teaching Individual Sports (2) Covers the fundamental skills, basic rules, terminology and teaching techniques necessary to plan and deliver effective instruction in selected individual sports such as fencing, golf, gymnastics, tennis, track and field, and wrestling.

PES 2617 Teaching Health and Fitness (2) Covers the fundamental skills, scientific guidelines, terminology and teaching techniques necessary to plan and deliver effective instruction in activities designed for health and fitness such as aerobic dance, bicycling, inline and roller skating, running, swimming, walking, and the use of standard fitness equipment including cycling and rowing ergometers, a stair climber, an elliptical trainer, and free and machine weights. Work will also center around the State Health and Physical Education test for content knowledge.

PES 2624 Advanced Volleyball (2) Fundamental development of all current volleyball skills: passing, hitting and blocking. Elementary systems of defense and offense will be introduced. Introductory games and competition will also be a part of the class structure. May be repeated for credit one time.

PES 3510 Teaching Physical Education (5) Prerequisites: PES 2614, 2615, 2616 and 2617, or instructor permission. Explores physical education curriculum, activities and teaching strategies for elementary, middle school and high school students. Content includes lesson and unit design, effective teaching models for fitness and sport skill development, and classroom management that promotes cooperation and safety. Course provides a controlled and supervised micro-teaching experience. Attribute: Upper-Division. Class not open to freshmen.

PES 3515 Secondary Physical Education (5) Focuses on appropriate curriculum and teaching methods for secondary physical education. Emphasizes how to develop a successful program including strategies for classroom management, lesson and unit design, fitness promotion and safety. Attribute: Upper-Division. Class not open to freshmen.

PES 3545 Programs for Special Populations (3) Studies disabilities and how physical education and other recreation activities can be matched with disabled and elderly people's need for participation and/or correction. Attribute: Upper-Division. Class open to exercise science and physical education majors. Class not open to freshmen and sophomores.

PES 3560 Psychological Aspects of Sport and Exercise (4) Explores the psychological attributes necessary for sustained and successful performance in sport and exercise such as drive, commitment, confidence, focus, perseverance, intuition and trust. The course also examines the implications of performance inhibitors such as anxiety, delusion, excessive ambition and aggression. Students become familiar with important motivation and intervention strategies such as psyching and relaxation, imagery and visualization, goal setting and causal attribution that lead to a fully functioning self system. The course incorporates significant use of narrative fiction and nonfiction books and film to illustrate the content. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PES 3570 Biomechanics (5) Prerequisite: BIO 2129 concurrent registration, or permission of instructor. Course provides information regarding the structure and function of the musculoskeletal systems and is divided into three sections. Section one reviews functional anatomy including shoulder, elbow, hip, knee and spine. Section two examines the basic principles of motion through discussion and laboratory experiment with such topics as nature of forces, Newton's laws, ground and fluid forces, work, power, energy, torque, levers and center of gravity. Section three offers analyses of selected activities including weight training, running, cycling, swimming and a variety of individual sports skills. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3575 Motor Learning and Development (4) Explores theories and constructs relevant to the acquisition and performance of movement skills. After reviewing nervous-system structure, the course examines the various methods of neuromuscular control of movement including proprioception, reflex, information processing, attention, memory, and various forms of rehearsal and practice through lecture and lab experiences. Attribute: Upper-Division. Class not open to freshmen.

PES 3580 Exercise Physiology (5) Prerequisite: PE 1301 or permission of instructor. Gives description and explanation of physiological responses and adaptations to exercise, emphasizing improvement of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes laboratory. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3590 Sport Injury Management (4) Prerequisite: BIO 2129. Describes the prevention, recognition and treatment of injuries related to sport activity. Emphasis on recognition and decision making for the immediate care of serious and life-threatening injuries and the immediate and secondary care of common sports related injuries. Describes the development and implementation of comprehensive sport injury management systems. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3600 Physical Education Teaching Lab (1) Prerequisite: PES 3510 or 3515. Course provides a controlled and supervised micro-teaching experience. Emphasis is on lesson design, classroom management and various methods of teaching. May be repeated for credit three times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 4575 Coaching and Training Seminar (4) Prerequisites: PES 3570 and 3580. Reviews and integrates the scientific principles of musculoskeletal and cardiovascular training and presents an overview of nutritional planning for sport performance. The course offers a laboratory experience for designing fundamental training paradigms and effective coaching strategies that enhance athleticism, sport-specific conditioning, and positional expertise and skill in sports. Attribute: Upper-Division. Class open to seniors.

PES 4585 Applied Exercise Science (5) Prerequisites: PES 3570, 3580. Explores internship and employment opportunities in exercise science, examines the relationships between and the determinants of physical activity and public health, and develops skills in fitness testing and exercise prescription as well as research analysis, design and reporting. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 4590 Advanced Athletic Training Techniques (3) Prerequisites: BIO 2129, 2130 and PES 3590. Describes legal liability issues in the care and prevention of sports injuries, provides students with understanding and skill in the theoretical basis and common protocols for therapeutic modalities used in sports medicine, studies principles and programs for therapeutic exercise, and introduces injury assessment techniques including manual muscle testing. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PES 4595 Administration of Programs in Sport and Exercise (5) Offers information and experiences related to organizing and administering sport and exercise programs in both public and private sectors. The course is divided into three sections. Section one presents a business model including leadership, business plans, strategic planning, communication, team building, decision making, conflict management, change, policies and procedures, technology, time and stress management. Section two explores practical applications related to sport and exercise including managing programs, facilities, personnel, finances and marketing. Section three addresses the legal issues that govern sport and exercise including constitutional, contract and tort law. This course also serves as a resource for required senior colloquium. Attributes: Upper-Division; and Writing Course. Class not open to freshmen, sophomores and juniors.

PES 4899 Contemporary Issues in Health and Fitness (1–2) This capstone course focuses on contemporary issues in the health and fitness field. Students will be challenged to reflect on the relationship between faith and the issues confronting health and fitness professionals. Students will identify a topic of interest for further study and investigation to be presented during the Spring Quarter senior colloquium. Research techniques and writing will be presented to aid in the development of a cohesive project and presentation. Students register for the course each quarter of their

senior year as 2 credits in fall, 2 credits in winter and 1 credit in spring. May be repeated for credit up to 5 credits. Attributes: Upper-Division; and Writing Course. Class open to seniors.

PES 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Allows a nonresearch approach to an approved issue. Course requirements include a defined set of objectives, a minimum of three conferences with a designated faculty member, a current topical bibliography and a term ending assessment mutually developed by faculty and student. The format may be utilized only once. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class open to exercise science, physical education and student-designed majors. Class not open to freshmen and sophomores.

PES 4930 Exercise Science Practicum (1–5) Registration approval: Instructor. Prerequisites: PES 3570, 3580. Provides practical experience in research, physical fitness testing and/or exercise prescription and leadership with members of the SPU community. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

PES 4931 Athletic Training Practicum (1–5) Registration approval: Instructor. Provides practical experience in the prevention, treatment and rehabilitation of athletic injuries. Students work with intercollegiate athletes in the SPU training room and at practice and event sites. May be repeated for credit up to 12 credits. Attribute: Upper-Division.

PES 4940 Internship (1–15) Registration approval: Intern Learning Contract Req. Offers work experience with local organizations. Internships are available in all major disciplines. Position descriptions that meet student-generated objectives, work hours, calendar, remuneration and related benefits are established by the cooperating organization. A supervisor/mentor from the cooperating organization serves as the author of specific daily assignments and writes the final evaluation. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class open to exercise science, physical education and student-designed majors. Class not open to freshmen and sophomores.

PES 4950 Special Topics (1–5) Registration approval: Department Chair. Special courses offered upon demand and/or department's discretion. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to physical education majors. Class not open to freshmen and sophomores.

PES 4960 Project (1–6) Registration approval: Instructor. Provides an opportunity to design and develop an original idea resulting in a tangible product, innovative curriculum, improved management system or other unique addition to the professional world. Project proposal must include a clear statement of outcome and benefits to setting, defined procedures, time table and assessment procedures. May be repeated for credit up to 6 credits. Attribute: Upper-Division. Class open to exercise science, exercise and sports studies, physical education and recreation and sports management majors. Class open to juniors and seniors.

Faculty

JoAnn Atwell-Scrivner, Instructor of Physical Education; B.A., Willamette University, 1976; M.A., Whitworth College, 1990. At SPU since 1986.

Dan G. Trippe, Professor of Physical Education; Chair of Physical Education; B.A., San Francisco State University, 1968; M.A., Stanford University, 1969; Ph.D., University of Oregon, 1976. At SPU since 1986.

Lowell "Bud" Turner, Instructor of Physical Education; B.A., Seattle University, 1969; M.Ed., Seattle, University, 1974. At SPU since 2004.

Robert D. Weathers, Professor of Physical Education; B.S., John Brown University, 1967; M.Ed., University of Arkansas, 1969; Ed.D., Brigham Young University, 1975. At SPU since 1978.

Physics

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Bruce D. Congdon, *Dean of the College of Arts and Sciences*

John Lindberg, Chair, **Eleanor Close**, **Lane Seeley**, **Stamatis Vokos**

Physics studies the changes, interactions and properties of matter and energy and, as a result, strongly influences humankind's understanding of nature. In addition, as engineers create new technology based on the principles first discovered by physicists, the social economics and political structures of society changes.

The Department of Physics is dedicated to educating and preparing students for a variety of careers in science, education, engineering and business. We seek to provide a broad program of studies in theoretical and applied physics informed by a Christian worldview, graduating students who are equipped for continued graduate study, professional careers and service.

A variety of laboratory equipment is available to SPU students to support coursework and independent study activities. The newly renovated Miller Hall facility contains dedicated teaching laboratories, upper-division research space and upper-division laboratory facilities.

Admission to the Major

Admission and GPA Requirement. A minimum 2.5 GPA (cumulative in all courses required for the major taken at SPU) is required for admission to the major. Additionally, a minimum 2.0 (C grade) must be earned in PHY 2321, and a minimum 1.7 (C- grade) must be earned in each other course required for the major.

Admission to the Minor

Applicants for minors in physics must display an average GPA of 2.5 or higher (4.0 = A) in at least two physics courses.

Physics Major Requirement

89 credits; 43 upper-division.

In addition to the student must complete a senior research project. The B.S. major provides preparation for graduate studies or professional careers in physics.

Foreign Language Requirement

All students who complete the physics major must be proficient in a foreign language. Proficiency is established upon satisfactory complete of the third quarter of a first-year college-level foreign language course or its equivalent. For alternate ways of satisfying this requirement, see the General Education section of the *Catalog*. Language proficiency is not satisfied by transfer of an associate's degree from a community college unless the transcript records the completion of foreign-language coursework

Requirements for the Physics Major

89 credits; 43 upper-division

Refer to pages 60–62 for a summary of degree requirements.

PHY 1101, 1102, 1103 General Physics or PHY 1121, 1122, 1123 Physics for Science and Engineering	15
PHY 2321 Intermediate Physics	5
PHY 3311, 3312, 3313 Advanced Physics Lab	6
PHY 3401 Thermodynamics	5

PHY 3841 Dynamics	5
PHY 4310 Electricity and Magnetism	5
PHY 4341 Quantum Mechanics	5
PHY 4899 Natural Science Seminar	2
PHY xxxx upper-division physics course	15
CHM 1211 General Chemistry (5) or MAT 3724 and MAT 3725 Applied Analysis (3 each)	5–6
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3
Total	89–90

Note: In addition, the student must complete a senior laboratory project.

Requirements for the Physics Minor

35 credits; 15 upper-division

PHY 1101, 1102, 1103 General Physics or PHY 1121, 1122, 1123 Physics for Science and Engineering	15
PHY 2321 Intermediate Physics	5
PHY 3311, 3312, 3313 Advanced Physics Lab	6
PHY xxxx upper-division physics course	10
Total	36

Note: A maximum of 5 upper-division credits may be selected from either EGR 3401 or 3871.

Physics Courses

PHY 1101 General Physics (5) Prerequisites: MAT 1110. The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics. Attributes: Physical Sciences; and Natural Science B.

PHY 1102 General Physics (5) Prerequisite: PHY 1101. The second quarter of a general introduction to physics, intended for biology and premed majors. Covers heat, sound, fluids, electricity and magnetism. Attributes: Physical Sciences; and Natural Science B.

PHY 1103 General Physics (5) Prerequisite: PHY 1102. The third quarter of a general introduction to physics, intended for biology and premed majors. Covers light, atomic, molecular and nuclear physics. Attributes: Physical Sciences; and Natural Science B.

PHY 1110 Introduction to the Nature of Science (5) Provides a lecture, demonstration and discussion course in the physical sciences. Examines the scientific method in light of what it does and does not do. Covers selected scientific concepts and theories, drawing most of the examples from the field of physics. Not recommended for students with more than one high school science course. Attributes: Physical Sciences; and Natural Science B.

PHY 1111 University Scholars Physics (5) A general introduction to physics, intended for students in the University Scholars program. The course will cover planetary motion, Newtonian mechanics, thermodynamics, relativity and quantum mechanics. Special emphasis will be given to historical relationships and the effects on current Western thought. Four class sessions and one laboratory each week.

PHY 1121 Physics for Science and Engineering (5) Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week. Attributes: Physical Sciences; and Natural Science B.

PHY 1122 Physics for Science and Engineering (5) Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week. Attributes: Physical Sciences; and Natural Science B.

PHY 1123 Physics for Science and Engineering (5) Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week. Attributes: Physical Sciences; and Natural Science B.

PHY 1135 Astronomy: Individual and the Universe (5) An integrative general introduction to astronomy, including astronomical observation and measurement, the solar system, extragalactic phenomena and cosmology. Includes the scientific method and worldview implications. (Not recommended for students who have taken NMS 1110). Attributes: Physical Sciences; and Natural Science B.

PHY 1140 The Physics of Sound (5) Fundamentals of simple harmonic motion, nature of sound, transmission and reception of sound, pitch, quality, loudness, musical intervals, diatonic equal tempered scales, musical instruments, acoustics of instruments, acoustics of buildings, modern research in sound and acoustics.

PHY 1142 Earth System Science (5) An interdisciplinary introduction to the processes, interactions and development of the Earth's biosphere, geosphere and hydrosphere. Special emphasis will be given to current environmental issues and environmental stewardship. Attributes: Physical Sciences; and Natural Science B.

PHY 1145 Oceanography (5) An integrative introductory course covering physical, geological, chemical and biological oceanography. Includes consideration of epistemology and current research methods. Attribute: Natural Science B.

PHY 1150 Introduction to Geology (5) Surveys geology, including identification and origin of rocks and minerals, the processes of forming the present state of the earth, interpretation of geologic features and of the human impact on landscape. Laboratory experiences and/or field trips emphasized. Attributes: Physical Sciences; and Natural Science B.

PHY 1910 Special Topics in Physics Seminar (1) Registration approval: Instructor. Prerequisites: One of the following must be taken concurrently: PHY 1101, 1102, 1103, 1121, 1122, 1123. Provides a direct study of current problems and research areas in physics such as astrophysics, chaos and complexity, particles and fields, and relativity. May be repeated for credit two times.

PHY 2321 Intermediate Physics (5) Prerequisites: MAT 1228 and either PHY 1103 or 1123. (MAT 1228 may be taken concurrently). Introduction to the physics of the 20th century: relativity, waves and quanta with applications to areas of contemporary physics such as atoms, nuclei, particles and solids.

PHY 3120 Physical Science and Society (5) Introduces contemporary topics in natural sciences that have technological and social implications; examines the present social structure and environment of the natural sciences. Offered on demand. Attributes: Upper-Division; and Writing Course.

PHY 3311 Advanced Physics Lab (2) Prerequisite: PHY 2321, or may be taken concurrently. Laboratory applications of electronics and instrumentation. Special emphasis will be given to experimental automation and data analysis using LabView. Attributes: Upper-Division; and Writing Course.

PHY 3312 Advanced Physics Lab (2) Prerequisites: PHY 2321 and 3311. Provides an integrated advanced laboratory course including experiments in optics, solid-state physics, atomic physics and nuclear physics. Attributes: Upper-Division; and Writing Course.

PHY 3313 Advanced Physics Lab (2) Prerequisites: PHY 2321 and PHY 3312. Provides an integrated advanced laboratory course including experiments in optics, solid-state physics, atomic physics and nuclear physics. Attributes: Upper-Division; and Writing Course.

PHY 3401 Thermodynamics (5) Prerequisites: CHM 1211, MAT 1228, and either PHY 1103 or PHY 1123. Studies, at the macroscopic level, equilibrium properties of matter, conservation laws, equations of state and transformations of state for systems in which temperature is an appropriate variable. Considers engineering applications. Course equivalents: CHM 3401 and EGR 3401. Attribute: Upper-Division.

PHY 3841 Dynamics (5) Prerequisites: MAT 1228, 2401, and PHY 1101 or 1121. Study of vectorial treatment of Newton's laws for undamped and damped linear, rotational and vibrational motion in several coordinate systems. Includes solving problems for particles and rigid bodies using energy, momentum and angular momentum conservation laws. Course equivalent: EGR 3841. Attribute: Upper-Division.

PHY 4242 Atmospheric Science (2–5) Registration approval: Instructor. Prerequisites: PHY 1103 or 1123, and MAT 1228. Studies structure and composition of the atmosphere, radiative and convective processes: dynamics and distribution of the atmosphere; cloud physics; introduction to climatology and the upper atmosphere. Offered on demand. May not be repeated. Attribute: Upper-Division.

PHY 4243 Geophysics (2–5) Registration approval: Instructor. Prerequisites: PHY 1103 or 1123, MAT 1228, 2228. Studies rotation and figure of the earth, gravity field, seismology, geomagnetism, heat flow, age and internal structure of the Earth. Offered on demand. May not be repeated. Attribute: Upper-Division.

PHY 4310 Electricity and Magnetism (5) Prerequisites: PHY 1103 or 1123, MAT 1228, 2228, and MAT 3724 is recommended. Study of transmission lines as lumped-circuits, electrostatics, magnetostatics, boundary conditions, electromagnetic waves, and introduction to applications such as skin effect, reflections, waveguides, antennas and optics. Includes computer and laboratory experiments. Course equivalent: EE 4310. Attribute: Upper-Division.

PHY 4311 Optics and Lasers (5) Prerequisite: PHY 1103 or 1123. General theory of geometrical optics, physical optics, fiber optics and optical devices. Lectures and laboratory each week. Offered alternate years. Course equivalent: EE 4311. Attribute: Upper-Division.

PHY 4341 Quantum Mechanics (5) Prerequisites: PHY 1103 or 2321, MAT 2228. Surveys basic wave mechanics, quantum mechanical operators, dynamics of the wave functions, traveling waves and bound states. Offered alternate years. Attribute: Upper-Division.

PHY 4342 Atomic Physics (5) Prerequisite: PHY 4341. Studies the hydrogen atom, perturbation theory, one-electron atoms, fine and hyperfine structure. Explores Zeeman and Stark effects. Introduction to multi-electron atoms. Offered alternate years. Attribute: Upper-Division.

PHY 4391 Nuclear and Particle Physics (5) Prerequisite: PHY 4342 or permission of instructor. Study of the fundamental interactions and elementary particles, resonance states and nuclei. Emphasis on invariance principles, conservation laws and simple applications of quantum theories and the theory of special relativity. Discussion of experimental methods including particle detectors and accelerators. Offered alternate years. Attribute: Upper-Division.

PHY 4441 Statistical Physics (3–5) Prerequisites: PHY 3401. Studies classical and quantum statistical mechanics, Bose and Fermi statistics and applications to physical systems. Offered alternate years. Attribute: Upper-Division.

PHY 4491 Solid State Physics (2–5) Prerequisite: PHY 2321; PHY 4441 recommended. Focuses on lattice statics and dynamics, electrons and Fermi surfaces, transport phenomena, semiconductors and superconductivity. Offered alternate years. Course equivalent: EE 4491. Attribute: Upper-Division.

PHY 4501 Physics as a Process of Inquiry I (5) Registration approval: Instructor. Laboratory-based study of selected topics in physics and physical science, with emphasis on depth of understanding and cultivation of essential scientific and reasoning skills. Inquiry-based instruction guided by results from research in physics education and the professional development of teachers. Preparation for teaching physics or physical science in middle school and high school. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

PHY 4502 Physics as a Process of Inquiry II (5) Prerequisite: PHY 1103 or 1123 or instructor approval. Laboratory-based study of selected topics in physics, with emphasis on depth of understanding and cultivation of essential scientific and reasoning skills. Inquiry-based instruction guided by results from research in physics education and the professional development of teachers. Preparation for teaching physics at secondary school and introductory college levels. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

PHY 4511 Preparation for Teaching Undergraduate Mechanics (1–3) Registration approval: Instructor. Prerequisites: PHY 1103 or 1123. Preparation for teaching physics using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits. Attribute: Upper-Division.

PHY 4512 Preparation for Teaching Undergraduate Electromagnetism (1–3) Registration approval: Instructor. Prerequisites: PHY 1103, 1123. Preparation for teaching electromagnetism using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class not open to freshmen.

PHY 4513 Preparation for Teaching Undergraduate Waves and Optics (1–3) Registration approval: Instructor. Prerequisites: PHY 1103, 1123. Preparation for teaching waves and optics using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class not open to freshmen.

PHY 4899 Natural Sciences Seminar (1) Prerequisite: PHY 2321. A Capstone experience for seniors that explores current natural sciences topics in an interdisciplinary setting. Seminars addressing current research advances, ethical issues in science or the intersection of science, vocation and Christian faith are presented by faculty, students and guest scholars. Discussion and reflection incorporate appropriate readings. A minimum of two quarters of seminar must be completed during the senior year to fulfill the senior capstone requirement. May be repeated for credit up to 3 credits. Course equivalents: BIO 4899 and CHM 4899. Attribute: Upper-Division. Class open to physics majors. Class open to seniors.

PHY 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

PHY 4905 Independent Study in Physics (1–5) Registration approval: Independent Study Agreement. The area of study to be mutually agreed upon by the student and a physics faculty member. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

PHY 4930 Physics Practicum (1–5) Registration approval: Instructor. May be repeated for credit up to 5 credits.

PHY 4940 Internship in Physics (1–5) Registration approval: Intern Learning Contract Req. Provides a significant learning experience to be obtained in a closely supervised work-study program. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PHY 4970 Senior Project Laboratory (1–5) Prerequisites: PHY 3313 and senior standing. Independent research directed toward satisfaction of requirement of senior project for graduation with major in physics. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen, sophomores and juniors.

Faculty

Eleanor Close, Adjunct Professor of Physics, B.A., Bryn Mawr College, 1996; H.S., Science Teaching Certificate, 1999; M.S., University of Washington, 2003. At SPU since 2003.

John M. Lindberg, Assistant Professor of Physics; B.S., B.A., North Park College, 1983; M.S., University of Washington, 1986; Ph.D., Heriot Watt University, 1999. At SPU since 1999.

Lane Seeley, Assistant Professor of Physics; B.S., University of Puget Sound, 1994; M.S., Montana State University, 1995; M.S., University of Washington, 1997; Ph.D., University of Washington, 2000. At SPU since 2001.

Stamatis Vokos, Associate Professor of Physics; B.S., University of Kent, 1984; M.A., University of California, Berkeley, 1985; Ph.D., University of California, Berkeley, 1990. At SPU since 2002.

Political Science and Geography

Alexander Hall
(206) 281-2158
www.spu.edu/depts/polisci

Bruce D. Congdon, *Dean of the College of Arts and Sciences*

John West, Chair, **Kathleen Braden**, **Reed Davis**, **Douglas Durasoff**, **Ruth Ediger**

Seattle Pacific's political science program seeks to graduate leaders who want to influence politics and public policy during the 21st century. Political science majors at SPU wrestle with some of the most fundamental questions underlying faith and the political order: What is the relationship between Christian principles and public policy? How can Christians model both the character and truth of Jesus Christ in the public square? How should we all live in local, national and global community?

To assist in the exploration of these questions, political science majors at SPU receive broad training in political philosophy, government, law, public policy, geopolitics, international relations and the political behavior of individuals and groups. In addition, majors are provided with peer support and co-curricular activities through the SPU Political Union, a nonpartisan student group.

Study of political science is especially useful for careers in law, public administration, government service, international affairs, journalism, teaching and several fields of business. Dual majors or

complementary minors are encouraged. Minors offered by the department include political science, geopolitics and leadership studies. Special study programs in Washington, D.C., France and elsewhere further enrich students' academic experience. (For more information about these special study programs, send email to Professor Reed Davis at rdavis@spu.edu.)

Faith and Politics Component

Political science majors at SPU are asked to integrate their understanding of the political world with the Christian faith. To facilitate this, the department offers three courses that focus on the intersection between faith and public life:

POL 2642 Christianity and American Politics, which studies the history of Christian involvement in politics from America's founding to today.

POL 2042, Christianity and World Politics, which looks at broader global areas and issues.

*POL 3410 Moral Foundations of Democracy, which explores the moral and spiritual roots of representative democracy. (POL 4899 Political Science Capstone Seminar also challenges students to reflect on the relationship between faith and politics in light of their entire collegiate experience and is required of all political science majors.)

Special Programs

Political Science Internships

Political science majors at SPU are strongly encouraged to gain real-world experience through internships, and faculty in the department work with students to arrange internships appropriate to their career interests. Internships are arranged with a wide variety of organizations, including public-policy groups, media organizations, and government offices at both the local and national level. Credit is offered through POL 4940 Political Internships.

Admission to the Political Science Major and Minor

To qualify for admission to the major, a student must have a 2.5 minimum GPA in previous courses in the major. Students are encouraged to apply for the major by the end of their sophomore year.

Requirements for the Political Science Major

For all three tracks, 25 credits must be upper-division.

Refer to pages 60–62 for a summary of degree requirements.

Political science majors at SPU choose to organize their studies according to one of three tracks: general, which provides the most flexibility; public policy and law, which is especially appropriate for those considering careers in government or who plan to attend law school; and international affairs, which is designed for those interested in global politics and policy. (In addition to the course requirements for these tracks, majors are encouraged to fulfill their Exploratory Curriculum mathematics requirement by taking a statistics course such as SOC 2360 Introduction to Statistics in Social and Behavioral Sciences, MAT 1360 Introduction to Statistics or BUS 2700 Statistics for Business and Economics.) Whenever possible, majors are also strongly encouraged to take POL 4643 Methods of Political Analysis in their junior (rather than senior) year.

Any course substitutions must be approved by the department chairperson. No more than a total of 10 hours of internship or independent study can be applied in meeting the required hours in political science, but additional credits above the required hours may be added. For students who wish to enhance their degree with additional specialization, applied coursework beyond the required credits and in associated majors or minors can be arranged in consultation with the political science advisor.

General Track

51–55 credits

POL 1110 Introduction to Politics	5
Select one course from the following two:	
POL 1120 American Government (5)	
POL 2464 State and Local Politics (5)	5
POL 2320 Comparative Political Systems	5
Select one course from the following:	
POL 2641 Christianity and American Politics (5)	
POL 3410 Moral Foundations of Democracy (5)	
POL 3440 International Peace and World Order (5)	
POL 3125 Issue Seminar (3–5)	
POL 3550 Social Darwinism and Politics (3–5)	
POL 4911 Advanced Seminar (3–5)	3–5
Select one course from the following three:	
POL 4000 Public Policy and Administration (5)	
POL 4450 American Constitutional Law: Federalism and Separation of Powers (5)	
POL 4451 American Constitutional Law: Civil Liberties and Civil Rights (5)	5
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern (5)	5
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone Seminar	3
POL Electives	15–17
Total	51–55

Public Policy and Law Track

54–58 credits

POL 1110 Introduction to Politics	5
POL 2464 State and Local Politics	5
POL 2320 Comparative Political Systems	5
POL 3780 Law and Society	5
Select at least three of the following:	
POL 3410 Moral Foundations of Democracy (5)	
POL 2641 Christianity and American Politics (5)	
POL 3320 Political and Economic Development of Nations (5)	
POL 3430 Presidency and Congress (5)	
POL 3450 Politics, Parties and Interest Groups (3)	
POL 3550 Social Darwinism and Politics (3–5)	
SOC 4250 Sociology, Policy and Law (5)	
POL 4450 American Constitutional Law: Federalism and Separation of Powers (5)	
POL 4451: American Constitutional Law: Civil Liberties and Civil Rights (5)	11–15
POL 4000 Public Policy	5
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern	5
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone Seminar	3
Electives (consult with advisor)*	5
Total	54–58

*POL 4940 Internship strongly recommended.

International Affairs Track

56–58 credits

POL 1110 Introduction to Politics	5
GEO 1110 World Regional Geography	5
POL 2320 Comparative Political Systems	5
Select at least two of the following:	
HIS 2452 History of Modern Global Systems (5)	
or POL/HIS 3670 American Foreign Relations (5)	
POL 2330 International Relations (5)	
POL 3170 Geopolitics (5)	
POL 3440 International Peace and World Order (5)	10
Select at least two of the following:	
POL 3320 Political and Economic Development of Nations (5)	
POL 4310 International Political Economy (5)	
GEO 3500 Geography of Natural Resources (5)	

POL 4911 Advanced Seminar (3–5)	8–10
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern (5)	5
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone Seminar	3
Electives (consult with advisor)	10
Total*	56–58

*In addition, at least one year of a foreign language or equivalent is required, and more than this is strongly encouraged.

Requirements for the Political Science Minor

30 credits; 15 upper-division

POL 1110 Introduction to Politics	5
Select one course from the following:	
POL 2320 Comparative Political Systems (5)	
POL 2330 International Relations (5)	
POL 3320 Political and Economic Development of Nations (5)	
or POL 4310 International Political Economy (5)	5
Select one course from the following:	
POL 1120 American Government and Politics (5)	
POL 2464 State and Local Politics (5)	5
Select one course from the following:	
POL 2641 Christianity and American Politics (5)	
POL 2642 Christianity and World Politics (5)	
POL 3410 Moral Foundations of Democracy (5)	
POL 4641 Theories of the Political System: Ancient (5)	
POL 4642 Theories of the Political System: Modern (5)	
POL 4643 Methods of Political Analysis (5)	5
Electives (upper-division)	10
Total	30

The Geopolitics Minor

SPU offers no baccalaureate degree specifically in geography, but studies in geography may be combined with political science for a geopolitics minor. Geography, along with history, is a critical service component for students majoring in other disciplines such as social-science education, and it provides an important dimension to a liberal arts education. (For more information, send email to Douglas Durasoff at dd@spu.edu.)

Requirements for the Geopolitics Minor

30 credits; 15 upper-division

GEO 1110 World Regional Geography	5
GEO/POL 3170 Geopolitics	5
POL 2330 International Relations	5
Select one course from the following:	
POL 2320 Comparative Political Systems (5)	
POL 3320 Political and Economic Development of Nations (5)	
POL 4310 International Political Economy (5)	
GEO 3500 Geography of Natural Resources (5)	5
Select one course from the following:	
POL 4641 Theories of the Political System: Ancient (5)	
POL 4642 Theories of the Political System: Modern (5)	
POL 4643 Methods of Political Analysis (5)	5
Select one course from the following:	
GEO 4920 Directed Readings in Geography (5)	
GEO or POL 4940 Internship (5)	
Advisor-approved upper-division course in Political Science (5)	5
Total	30

The Leadership Studies Minor

Designed for student leaders, this interdisciplinary program draws on courses from such disciplines as political science, sociology, business, psychology and philosophy. Admission to the leadership studies minor is selective and requires an application submitted to the Office of Student Life. Send email Kathleen Braden at kbraden@spu.edu or Scott Strawn at sstrawn@spu.edu for application information.

Requirements for the Leadership Studies Minor

30 credits; 15 upper-division

Core Requirements

POL 2900 Foundations of Leadership (offered every other year)	5
POL 4930 Political Science Practicum	5–10

Competency Areas

The three categories below are based on competencies for student leadership programs developed by the Council for Advancement of Standards in Higher Education. All prerequisites must be satisfied and students are responsible for seeking a place in each class (many of these courses may require careful advance planning on enrollment because they are often full or designated first for majors). No more than 10 credits may double-count to fulfill both the student's major and the minor in leadership studies. If a course is listed in two categories, a student can count it toward only one.

Understanding Organizations or Human Social Behavior

At least 5 credits

BUS 3614 Organizational Behavior for Managers	5
BUS 3439 Motivation and Leadership	5
COM 4265 Organizational Communication	5
HIS 3670 History of Foreign Relations	5
POL 3430 The Presidency and Congress:	
Politics of National Leadership	5
POL 3780 Law and Society	5
POL 3450 Politics, Parties and Interest Groups	3
PSY 3439 Motivation and Leadership	5
PSY 3600 Small-Group Leadership	2
PSY 3438 (cross-listed as SOC 4440) Social Psychology	5
PSY 4410 Cross-Cultural Psychology	3
SOC 2440 Small-Group Dynamics	5
SOC 3215 Social Inequality	5
SOC 3862 Racial and Ethnic Minorities	5
WST 2350 Introduction to Women's Studies	5

Foundations for Leadership: Moral, Ethical and Justice

At least 5 credits

BUS 3400 Business Ethics	5
COM 4177 Communication Ethics	5
HIS 3395 European Intellectual History	5
HIS 3405 Western Spirituality	5
HIS 3406 Christianity in America (cross-listed as THEO 3303)	5
POL 4641 Theories of the Political System: Ancient	
(must be taken as well as POL 4643 to count toward minor)	5
POL 4642 Theories of the Political System: Modern	
(must be taken as well as POL 4643 to count toward minor)	5
POL 2641 Christianity and American Politics	5
POL 2642 Christianity and World Politics	5
GEO/POL 3170 Geopolitics	5
GEO 2207 Economic Geography	5
PHI 3601 Ancient Philosophy	5
PHI 3702 Social Ethics	3
POL 3410 Moral Foundations of Democracy	5
SOC 3215 Social Inequality	5
SOC 4260 Complex Organizations	5

Personal Development and Skills

At least 5 credits

BUS 3620 Management Information Systems	5
BUS 2600 Managerial Communication	2
BUS 3657 Human Resource Management	2
COM 2323 Argumentation: Art of Inference	5
COM 2227 Small Group Discussion	5
COM 3160 Conflict Management	3
COM 3322 Persuasion: Social Influence and Responsibility	5
POL 4000 Public Policy and Administration	5
POL 4643 Methods of Political Analysis (must be taken as well as POL 4641 or POL 4642 to count toward minor)	5

PSY 3442 Psychology of Personality	5
PSY 2470 Life-Span Development	5
PSY 2422 Psychology of Personal Growth	3
SOC 4308 The Helping Relationship	5

Note: Since some courses are not offered every year, students should check a current Online Time Schedule for course offerings.

Geography Courses

GEO 1110 World Regional Geography (5) Provides familiarity with character of major world regions. Emphasizes variations in levels of economic development and resource distribution among nations, and appreciation for diversity of world cultures. Attributes: Social Science Integration; and Social Science B.

GEO 3170 Geopolitics (5) Current world events are explored, from a variety of social-science disciplines (political science, history, economics and political geography). Topics vary, but always include an examination of Christian views on geopolitical conflicts and the role of international law in solving disputes. Course equivalent: POL 3170. Attributes: Contexts for society: history/geography; Social Science B; and Upper-Division. Class not open to freshmen.

GEO 3500 Geography of Natural Resources (5) Examines geographic distribution and economic valuation of the earth's resources both within American public-policy choices and at the international level. Compares notions of wise use, consumption, sustainability and stewardship in relation to Christian tradition. Attribute: Upper-Division. Class not open to freshmen.

GEO 3677 The Nature of Cities (5) Explores generally from multidisciplinary perspectives the character and content of cities from their origin to present pattern. Special emphasis is placed on the city theme in Scripture. Topics include attitudes about cities over time, the spread of civilizations in history, the changing economic base of cities and selected contemporary land-use and urban planning problems. Students who have taken SBS 1677 may not take this course. Attributes: Social Science B; and Upper-Division.

GEO 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

GEO 4911 Advanced Seminar (1–5) Seminars studying theoretical or practical issues in geography and geopolitics. See current *Online Time Schedule* for topic. May be repeated for credit up to 15 credits. Course equivalent: POL 4911. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

GEO 4920 Directed Readings (1–5) Registration approval: Independent Study Agreement. Attribute: Upper-Division.

GEO 4940 Internship (1–5) Registration approval: Intern Learning Contract Req. Attribute: Upper-Division.

GEO 4970 Research in Geography (1–5) Registration approval: Instructor. Prerequisite: 10 credit hours in geography. Attribute: Upper-Division.

Political Science Courses

POL 1110 Introduction to Politics (5) Analyzes the theory and practice of politics by discussing different approaches to the nature of political knowledge and the significance that this knowledge has for political leadership and citizenship. Although the focus is primarily on political behavior in the United States, opportunity will be taken to examine political practices within other countries (comparative politics) and among other countries (international relations). Attributes: Social Science Introductions; and Social Science B.

POL 1120 American Government and Politics (5) Surveys the founding principles of the American political system and examines the development and operation of major national institutions such as Congress, the presidency, the bureaucracy, the Supreme Court, political parties and the media. Attribute: Social Science B.

POL 2320 Comparative Political Systems (5) Analyzes how nations are governed. Democracies, authoritarian systems and developing countries are studied in light of political analysis and with attention to basic questions of human well-being.

POL 2330 International Relations (5) Introduces the international political system, contrasting concepts of national interest to increasing global interdependence. Discusses interactions among ideals and realities in national and global policy-making processes, and their relationship to individual citizens. Attributes: Social Science Integration; and Social Science B.

POL 2464 State and Local Politics (5) Analyzes contemporary state and local governmental institutions and how they operate within America's federal system. Special emphasis on public policy issues such as health care, crime, education, welfare and land use. Offered alternate years.

POL 2641 Christianity and American Politics (5) Explores the benefits and dangers of Christian involvement in American politics from the start of the nation to today. Topics addressed include the role of Christianity in America's founding, the reasons for religious liberty and practical guidelines for Christians seeking to influence public policy. Uses case studies of actual political controversies. Attributes: Social Science Integration; and Social Science B.

POL 2642 Christianity and World Politics (5) Explores the role of Christians in world politics from the early church to today. Topics include the changing relationship between church and state, the witness of Christians under totalitarianism, the development of the idea of religious liberty and political conflicts over social justice.

POL 2900 Foundations for Leadership (5) This course examines the implications of the Christian faith for leadership. Of particular focus are issues of personal motivation, character and spirituality as they relate to interpersonal relations and organizational leadership. Required for the minor in leadership studies. Offered alternate years.

POL 3125 Issue Seminar (3–5) Current and enduring national and world issues are analyzed in the context of political science methods, concepts and Christian ethical standards. Topic varies. (Example: "Morality and Politics.") Course may be taken again as long as the topic is different. May be repeated for credit four times. Attribute: Upper-Division.

POL 3170 Geopolitics (5) Current world events are explored from a variety of social-science disciplines (e.g., political science, history, economics and political geography). Topics vary, but always include an examination of Christian views on geopolitical conflicts and the role of international law in solving disputes. Course equivalent: GEO 3170. Attributes: Social Science Integration; Social Science B; and Upper-Division. Class not open to freshmen.

POL 3320 Political and Economic Development of Nations (5) Studies theories and experiences of "nation-building," both political and economic, primarily in lesser developed countries. Evaluates concepts of authority, economic growth and human well-being, and the policies used to achieve these in different cultures and systems. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

POL 3345 Modern Russia (5) Surveys Russian social, cultural, and political history and development, examining the tsarist and Soviet eras for their enduring effects on current development and change in Russia today. Special attention is focused on the roles of women in Russian history and today. Course equivalent: HIS 3345. Attributes: Contexts for society: history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

POL 3350 Modern French Political Thought (5) Registration approval: Travel Studies Form. Reviews major themes of modern French liberalism from the French Revolution to the 20th century. Also introduces students to the major institutions of modern French politics. Special emphasis will be placed on the ideas and influence of Christian thinkers such as Pascal, Montesquieu, Tocqueville, Maritain and Weil. Taught summer only in Europe. Attribute: Upper-Division.

POL 3410 Moral Foundations of Democracy (5) Reviews the classical, modern and Christian contributions to the development of Western democratic thought. Analyzes a wide range of critical political opinion and biblical literature in order to understand the moral foundations of Western democracy. Thinkers reviewed include Plato, Tocqueville, Augustine, Madison, Jefferson, Lincoln, Simons and Dahl. Offered alternate years. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 3430 The Presidency and Congress: Politics of National Leadership (5) Analyzes executive-legislative relations by reviewing constitutional principles and the political culture of the Washington community, with emphasis on the presidency as an instrument of national leadership. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

POL 3435 Marxism: 20th Century Theory and Practice (3) Examines the development of varieties of Marxist theory and practice in the 20th century. Compares the Soviet, European, Chinese and Latin American experiences with Marxist thought and practice. Offered alternate years. Course equivalents: ECN 3635 and HIS 3435. Attribute: Upper-Division. Class not open to freshmen.

POL 3440 International Peace and World Order (5) A study of conflict and conflict resolution in the international system, drawing upon resources from negotiation theory, peace studies, biblical models, international law and international organization, with analysis of varying world-order models. Course equivalent: HIS 3440. Attributes: Contexts for society: history/geography; Social Science B; and Upper-Division. Class not open to freshmen.

POL 3450 Politics, Parties and Interest Groups (3) Examines the role of political parties in contemporary American government and the implications of weakened parties for governing. The place of interest groups and political action committees is also surveyed, with special attention to the roles PACS play in campaigns and elections. Offered alternate years. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 3550 Social Darwinism and Politics (3–5) Explores the impact of Darwinism and scientific materialism on such fields as criminal justice, medicine, economics, welfare and education during the past century. Topics include eugenics, the Scopes trial, biological defenses in criminal law and evolutionary theories of morality. Attributes: Upper-Division; and Writing Course.

POL 3670 History of American Foreign Relations (5) Studies the United States as a participant in the international system, from colonial dependency to superpower. Proposes a theoretical model for interpreting American foreign policy and applies this framework to historical events considered chronologically. Considers questions

of morality in relation to foreign policy. Course equivalent: HIS 3670. Attributes: Contexts for society: history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

POL 3780 Law and Society (5) Studies the role of law in society and provides an introduction to the American legal system. Includes case studies of such issues as product liability, environmental law, civil disobedience and assisted suicide. Features guest speakers from the legal community. Especially recommended for students considering law school. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

POL 4000 Public Policy and Administration (5) A study of public policy-making, with special attention paid to the policy process in its implementation and evaluation stages. Using case studies, analyses of specific policies are undertaken in such areas as budgeting, education, civil rights, energy and social services. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

POL 4310 International Political Economy (5) Examines the nature and dynamics of the global economy in relation to the economies and political systems of nations and to theories and models of national, regional and global economic growth. International trade, business and government policy are studied in this context. Offered alternate years. Course equivalent: ECN 4310. Attribute: Upper-Division. Class not open to freshmen.

POL 4450 American Constitutional Law: Federalism and Separation of Powers (5) A study of the U.S. Constitution and the Supreme Court, and the role of “constitutional” law in American government and society, with special attention given to cases dealing with federalism and separation of powers. Recommended for students interested in law school. This course is offered every other year, alternating with POL 4451. Attribute: Upper-Division. Class not open to freshmen.

POL 4451 American Constitutional Law: Civil Liberties and Civil Rights (5) A study of the U.S. Constitution and Supreme Court and the role of “constitutional” law in American government and society, with special attention given to cases dealing with civil liberties and civil rights. Recommended for students interested in law school. This course is offered every other year, alternating with POL 4450. It may be taken as a stand-alone course or in sequence with POL 4450. Attribute: Upper-Division. Class not open to freshmen.

POL 4641 Theories of the Political System: Ancient (5) Explores major themes of normative political thought by reviewing key works of such thinkers as Plato, Aristotle and Augustine. Reviews the nature of justice and governance, of citizenship and obedience, and examines a variety of Christian perspectives on these issues. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 4642 Theories of the Political System: Modern (5) Explores major themes of normative political thought by reviewing the key works of such thinkers as Aquinas, Machiavelli, Locke and Rousseau. Reviews the nature of justice and governance, of citizenship and obedience, and examines a variety of Christian perspectives on these issues. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 4643 Methods of Political Analysis (5) Explores approaches and methods by which political scientists work with empirical evidence to develop knowledge and theory about the nature of political behavior in society. Students are strongly encouraged to take this course during their junior year whenever possible. Attribute: Upper-Division. Class not open to freshmen.

POL 4899 Political Science Capstone Seminar (3) Reviews and enhances student's work in the major and in general education, with reference to their integration and to career development. Attribute: Upper-Division. Class open to political science majors. Class open to seniors.

POL 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Prerequisites: Junior standing; at least 15 credits in political science. Designed to develop intensive examination of selected areas of interest in political thought, institutions or behavior through a program of directed readings and/or research approved by a political science faculty member. (Maximum of 10 credits applicable to POL major.) May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

POL 4911 Advanced Seminar (1–5) Prerequisite: Upper-class standing. Seminars studying theoretical and/or practical issues in politics, government and political science. See current *Online Time Schedule* for topics. May be repeated for credit up to 25 credits. Course equivalent: GEO 4911. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 4920 Directed Readings (1–5) Registration approval: Instructor. Directed readings to be arranged with the instructor of the course. Consists of a bibliography compiled with assistance of instructor and a corresponding number of critical review essays of the readings. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen.

POL 4930 Leadership Minor Practicum (1–5) Registration approval: Instructor. Prerequisite: Admission to minor. Provides faculty/staff oversight of co-curricular experience in campus leadership positions (defined as those advised within Office of Student Life or Campus Ministries). Instruction via learning contract, readings, assignments and meetings with instructor. May be repeated for credit up to 10 credits. Class not open to freshmen.

POL 4940 Political Internships (1–15) Registration approval: Intern Learning Contract Req. Prerequisites: Junior standing and at least 15 credits in political science. Provides opportunities for practical experience in national, state or local governmental bodies and agencies or political organizations. Available with a program designed in advance and approved by a political science faculty member. (Maximum of 10 credits applicable to POL major.) May be repeated for credit up to 30 credits. Attribute: Upper-Division. Class not open to freshmen.

POL 4950 Special Topics (1–5) Registration approval: Instructor. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen.

Faculty

Kathleen Braden, Professor of Geography; B.A., Boston University, 1972; M.A., University of Washington, 1974; Ph.D., 1981. Fulbright Scholar, USSR, Finland and Japan, 1977–1978. At SPU since 1982.

Reed Davis, Associate Professor of Political Science; B.A., M.A., University of Pennsylvania, 1978; Ph.D., University of Virginia, 1991. At SPU since 1989.

Douglas Durasoff, Professor of Political Science; B.A., Michigan State University, 1966; M.Phil., Yale University, 1969; Ph.D., 1978; Fulbright Scholar, Sweden and Germany, 1983. At SPU since 1986.

Ruth Ediger, Associate Professor of Geography and Political Science; B.A., Pacific Lutheran University, 1988; M.A., University of Nebraska, 1991; Ph.D., 1996. At SPU since 2002.

John G. West Jr., Department Chair; Associate Professor of Political Science; B.A., University of Washington, 1986; Ph.D., The Claremont Graduate School, 1992. At SPU since 1994.

Pre-Law

www.spu.edu/depts/polisci/prelaw.htm

Bruce D. Congdon, *Dean of the College of Arts and Sciences*

John West and **Reed Davis**, Advisors

Seattle Pacific University provides assistance to students considering law school through a pre-law advising program sponsored by the Department of Political Science and Geography. Pre-law is not a major and therefore has no required courses. However, all students considering law school are strongly encouraged to take the three-course sequence of POL 3780 Law and Society; POL 4450 American Constitutional Law: Federalism and Separation of Powers; and POL 4451 American Constitutional Law: Civil Liberties and Civil Rights. (Each course is offered on alternate years.)

In addition, students should request from the pre-law advisors a copy of the handout, "Pre-Law at SPU," which lists all law-related courses offered by SPU, as well as important information about the Law School Admission Test (LSAT), legal internships and student membership in the Christian Legal Society. Students interested in a legal career should contact the pre-law advisors in the Political Science Department as early as possible during their study at SPU. The pre-law advisors will assist pre-law students in choosing a major and a course of study appropriate to law school. They will also advise students about how to prepare for the LSAT. For more information, contact Professor John West at (206) 281-2162, or email him at jwest@spu.edu; or contact Professor Reed Davis at (206) 281-2395, or email him at rdavis@spu.edu.

Recommended Courses for Pre-Law Students

All pre-law students are encouraged to take the following three-course sequence:

*POL 3780 Law and Society	5
*POL 4450 American Constitutional Law: Federalism and Separation of Powers	5
*POL 4451 American Constitutional Law: Civil Liberties and Civil Rights	5

Pre-law students are also encouraged to take other law-related courses at SPU as their schedule permits. These include:

BUS 2414 Legal Environment of Business	5
BUS 3414 Business Law	5
JRN 3301 Media Law	5
SOC 3371 Crime and Delinquency	5
SOC 4250 Sociology, Policy and Law	5

In addition, pre-law students are encouraged to take courses that strengthen their skills of writing, speaking and analysis, which are crucial to success in law school and the legal profession. Some of these courses include:

COM 1321 Public Speaking	5
COM 2323 Argumentation: The Art of Inference	5
COM 3321 Advanced Public Speaking	5
COM 3628 Foundations of Western Rhetoric	5
PHI 1001 The Power of Logic	5
PHI 2001 Advanced Logic	3
ENG 2201 Intermediate College Writing	3
ENG 3301 Advanced Expository Writing	3
JRN 2101 Introductory Newswriting	4
JRN 2202 Public Affairs Reporting	4

*Note: Each of these courses is offered on alternate years.

Pre-Professional Health Programs

Science Building
(206) 281-2797

www.spu.edu/depts/biology/preprofessional3.asp

Bruce D. Congdon, *Dean of the College of Arts and Sciences*

Cynthia L. Fitch, *Coordinator, Department of Biology*

Seattle Pacific University offers faculty advising for a number of pre-professional health programs that prepare students to transfer and/or gain acceptance into professional health programs at other institutions.

Pre-Medicine and Pre-Dentistry

It is important to stress that medicine and dentistry are recognized as areas in the healing arts. As such, they are best served by practitioners well grounded in the liberal arts, human sciences and the pure sciences. Strong competition exists for admission to these professional schools, especially in medicine, and it is important to obtain advising from the coordinator of premedicine and pre-dentistry to plan a strong program. To become a competitive candidate, a student must be well acquainted with the requirements and procedures as outlined below.

There are several factors considered by medical and dental selection committees. They include the following: the student's grades; the MCAT or DAT scores; a letter of evaluation from the pre-professional health science committee; other support letters; clinical and/or research experience; and an interview with the medical or dental school admissions committee.

Medical School Admissions Checklist

First two college years

1. Select a curriculum that will challenge your abilities and interest in the liberal arts and the basic sciences and fulfill more than minimum premedical requirements. Be sure that other courses taken are in areas of interest that will usually be reflected in a good performance and will enhance your liberal arts background. There is no required or recommended major. Select your major in the field that interests you the most.
2. Get to know your premedical advisor and advisory committee, and how they function. Speak with students who are seniors and learn of their experiences with both.
3. Involve yourself with extracurricular commitments that are of interest to you, reflect your interest in medicine and demonstrate service to the community.
4. Develop friendships with members of the faculty who share common interests with you. This will enable them to better function in a support capacity during your application process.
5. Learn as much as you can about medicine from physicians, medical students, local hospitals, etc.
6. Try to achieve an outstanding undergraduate record and grade point average. Should you do poorly in an area, repeat the course or take a similar course to demonstrate your ability.
7. Arrange with the premedical advisor and or clinicians in the area that interests you to observe medicine or dentistry first hand. These observations will probably be volunteer hours. A significant number of these hours are expected by admissions committees to demonstrate that you clearly understand the expectations of the profession.

Third year

1. Continue to improve or maintain a high academic performance.
2. Obtain a copy of the Association of American Medical Colleges' Medical School Admission Requirements. Study its contents and make note of any changes or new schools of medicine that may have new entering classes. (www.aamc.org)
3. Prepare for the MCAT or DAT (you may choose to enroll in special courses taught to improve test taking).
4. Discuss your relative chances of entrance to medical school with your premedical advisor and other members of the faculty who you hold in high regard. Be realistic! If your chances appear to be excellent, visit and talk to schools of your interest. Speak to their students to learn about the curriculum design and general attitudes. DO NOT take the MCAT or DAT just to see what it is about or "for practice." The record of your test-taking attempts follows for ALL subsequent applications.
5. Carefully assess your chances for entrance into medical school and apply to the schools that interest you most and where you think you might have a better chance of admission.
6. If you are prepared to take the MCAT, apply in early winter to take the test given in April (www.aamc.org/students/mcat). If your MCAT scores are poor or only average consider retaking the test in August.
7. In the spring of your junior year, make arrangements with the coordinator to have an interview with your premedical advisory committee. Upon request, the committee will provide an appropriate letter of recommendation for you to the schools to which you apply. Letters from outside sources are due to the coordinator in the summer following your junior year.
8. At the end of your junior year, write your personal statement and begin the central application process. The Medical school primary application is called AMCAS (www.aamc.org/students/amcas) for domestic MD granting institutions, AACOMAS (<https://aacomas.aacom.org>) for domestic D.O. granting institutions, and AADSAS (www.adea.org/AADSAS) for the Dental School primary application.
9. Use the early summer to complete all application forms online. Submit your application early. Admissions to most of these schools is on a "rolling admission basis." Adhering strictly to "apply by the deadline" is considered showing minimal interest.

Fourth year

1. Be sure that all necessary materials have been forwarded to AMCAS, AACOMAS or AADSAS, or directly to the medical or dental schools of your interest as requested by these organizations. (i.e., transcripts, recommendations and MCAT or DAT scores).
2. If you haven't taken the MCAT, apply in early summer to take that test in August.
3. Complete all scholarship and loan applications as soon as possible. To be eligible for financial aid, you must complete the FAFSA form. Consider other means of financing if necessary.
4. In early Autumn Quarter, continue to evaluate your admission potential. You may decide to apply to additional medical schools. If so, be aware of their application deadline dates so that your application is eligible for consideration.
5. Notify your faculty members of selection for interview and dates that you need to travel and be away from your classes.
6. If you are admitted to the school of your choice, notify all other schools in which you are no longer interested as a courtesy to them.

- As the school year progresses, send any additional items (such as first quarter grades) to the schools considering your application.
- If you are placed on the waiting list, continue to add to your record all additional credits, honors, experiences, etc., to strengthen your application.
- If you are admitted to medical school or dental school, forward your deposit and begin planning for housing and loans, etc.
- If you are not admitted, consider and discuss alternatives with the coordinator.

A summary of procedure

- Get to know the coordinator of pre-medicine and pre-dentistry as soon as possible in your first year.
- Arrange Pre-Medical or Pre-Dental volunteer experiences throughout your first two years.
- Arrange for a pre-professional health science committee interview and committee evaluation letter before you submit your AMCAS, AACOMAS, or AADSAS application. (Spring quarter is the time of year for PPHS committee interviews)
- Take the MCAT in either April of your junior year or August of your senior year.
- Submit your application to medical school during the summer between your junior and senior years.

General Coursework for Pre-Medical and Pre-Dental

Since specific requirements vary from school to school, students should become familiar with the specific requirements of the medical or dental schools to which they intend to apply. However, nearly all medical and dental schools have at least the following minimal expectations:

General Coursework	
Chemistry (including one year general, one year organic — all with labs)	30
Biology (one year general with labs, plus selected upper-division core courses)	20–25
Physics one year (algebra-based or calculus-based with lab)	15
English (writing courses and general education coursework)	10
Math (Variable amounts of college level mathematics ranging from one quarter of statistics to one full year of calculus — discuss with coordinator.)	5–15
Total	85–95

Additional science courses are strongly recommended in anatomy, biochemistry, cell biology, developmental biology, genetics, histology, physical chemistry and physiology. Some medical schools also suggest a knowledge of calculus. All applicants must complete a minimum of 135 quarter credit hours (three years) of academic work. However, with the increasing competition to enter medical and dental schools, it is rare for applicants to be admitted with less than four years of undergraduate work and a bachelor's degree.

Pre-Physical Therapy

In order to meet American Physical Therapy Association accreditation standards, all physical therapy educational programs are required to lead to a master's or doctorate degree. Therefore, students seeking admission to a physical therapy educational program need to complete a bachelor's degree in any field, plus include the following prerequisite coursework:

Physical Therapy Prerequisites	
<i>Contact each physical therapy school for their admission packet.</i>	
ENG 2201 Intermediate College Writing	
or ENG 3205 Writing in the Professions	3

BIO 2101, 2102, 2103 General Biology	15
BIO 2129, 2130 Human Anatomy and Physiology	10
BIO 3351 General Microbiology	5
CHM 1211, 1212 General Chemistry	10
CHM 1330 Organic and Biological Chemistry	5
CHM 2540/3540 Introductory Inorganic Chemistry	5
PHY 1101, 1102, 1103 General Physics	15
Statistics (e.g., MAT 1360 or HSC 4044)	5
PSY 1180 General Psychology	5
PSY 2470 or 4420 Life Span or Developmental Psychology	5
PSY 4460 Abnormal Behavior	5
PE 3570 Biomechanics	5
PE 3580 Exercise Physiology	5
Total	98

Pre-Optometry

The need for a well-trained doctor of optometry is increasing. Admission committees for four-year programs leading to the doctor of optometry consider the following factors: strength and breadth of academic record, OAT scores, evidence of work (paid or volunteer) under the supervision of a professional in optometry, extra-curricular activities and community service, and strength of recommendations and on-campus interviews. (Contact each optometry school for its admission packet.)

Enrollments are limited and admission is selective. All pre-optometry courses must be completed before entering a college of optometry. The following represents a minimum pre-optometry program:

Minimum Pre-Optometry Program	
BIO 2101, 2102, 2103 General Biology	15
Some schools also require BIO 2129 and 2130 and BIO 3351	15
CHM 1211, 1212 General Chemistry	10
CHM 3371, 3372, 3373 Organic Chemistry	15
Mathematics (including a course in calculus)	10–15
MAT 1360 or HSC 4044 Statistics	5
PHY 1101, 1102, 1103 or 1121, 1122, 1123 Physics	15
Psychology	5
Other social sciences	5–10
English (Must include a course in expository writing)	9
Total	104

Pre-Pharmacy

These recommendations are for persons desiring to enter pharmacy as a profession. Currently, the entry degree into pharmacy is the doctorate of pharmacy. Pre-pharmacy students must have a sound background in math and science, which can be accomplished by majoring in either biology, chemistry or biochemistry. Good communication skills are important, as is a broad general education in the social sciences and humanities. The program required by schools of pharmacy is a minimum of two years.

The following is a list of courses often required by many of the schools of pharmacy. One should check the individual school of pharmacy to get the specific requirements and also check with the pre-health science advisor. Applications to pharmacy schools begin with a central application (www.pharmcas.org).

Pre-Pharmacy Recommendations	
BIO 2101, 2102, 2103 General Biology	15
BIO 2129 and 2130 Anatomy and Physiology	10
BIO 3351 Microbiology	5
CHM 1211, 1212 General Chemistry	10
CHM 3371, 3372, 3373 Organic Chemistry	15
CHM 2540/3540 Introductory Inorganic Chemistry	5
Mathematics (including a course in calculus)	5–10
MAT 1360 or HSC 4044 Statistics	5
Total	75

Note: Two courses in English composition, humanities, social science. Other recommended courses in speech, English literature, economics, psychology, history and physics.

Pre-Veterinary

These recommendations are for persons desiring to enter veterinary medicine as a profession. Competition is intense to gain acceptance to veterinary medicine. Students seeking admission to a veterinary medicine educational program need to complete a bachelor's degree in any field, plus include the following prerequisite coursework:

Applications to veterinary medicine schools begin with a central application (www.vmcas.org).

Pre-Veterinary Recommendations	
BIO 2101, 2102, 2103 General Biology	15
BIO 4413 Animal Physiology	5
BIO 3432 Vertebrate Biology	5
BIO 3324 Genetics	5
BIO 3351 Microbiology	5
BIO or CHM 4361 and 4362	10
CHM 1211, 1212 General Chemistry	10
CHM 3371, 3372, 3373 Organic Chemistry	15
CHM 2540/3540 Introductory Inorganic Chemistry	5
PHY 1101, 1102, 1103 or 1121, 1122, 1123 Physics	15
Mathematics (including a course in calculus)	5
MAT 1360 or HSC 4044 Statistics	5
Total	100

Note: Additional courses in English composition, humanities, social science. Other recommended courses in speech, English literature, economics, psychology, history will be required by individual vet schools.

Professional Studies

Bruce Congdon, Dean, College of Arts and Sciences

The Professional Studies Program is for students transferring to Seattle Pacific University with an approved technical or professional degree from the community-college system. This program allows students to receive a bachelor's degree by completing liberal-arts requirements and a minor. A maximum of 90 community-college credits are transferred into this program.

Admission to the Major and Minor

Students are admitted to the University and the professional studies major simultaneously. Students must meet all prerequisites for the minor as well as a minimum of 30 credits. Minor requirements are listed within the discipline.

Requirements for the Professional Studies Major

65–80 credits, plus a minimum of 30 credits in a minor
See checklist for major course options of professional studies major.

Students must complete the following:

- 10 credits in Foundations.
- The foreign-language requirement as outlined in the B.A. Requirements section of the *Catalog*.
- 5 credits in a class designated as "W."
- Fulfill each category listed below.
- 30 credits in a minor.
- Minimum of 180 college-level credits.
- Minimum of 60 upper-division credits (3000–4999).

Psychology, Family and Community, School of

Marston Hall
(206) 281-2987
www.spu.edu/depts/pfc/psych/

Nathan Brown, Dean of the School of Psychology, Family and Community

Mícheál D. Roe, Chair, **Nathan Brown**, **M. Kathleen Lustyk**, **Margaret A. Marshall**, **Delbert McHenry**, **Les Parrott III**, **Marcia Webb**

The science of psychology explores the nature and causes of behavior, feelings and thoughts, as well as effective ways to maintain psychological and social health. Modern psychology constantly changes as discoveries reveal new understandings, new research possibilities and new applications to the human condition.

Psychology provides an excellent background for careers in counseling, teaching, social service, medicine, nursing, law, business, pastoral ministry and many other areas of work where interpersonal understanding and skills are needed. In fact, our B.A. program allows students to obtain a double major, thereby broadening career opportunities. Our more comprehensive B.S. program combines behavioral and natural sciences and is particularly relevant for students with interests in the more experimental and laboratory side of psychology. The B.S. program also prepares students for further study and careers in fields such as physiological psychology, health psychology and behavioral medicine, and it is an effective major for premedicine students.

Seattle Pacific University's location in an urban area provides students with opportunities to gain field experiences in mental health clinics, social-service agencies, educational institutions, hospitals and in the business world. An internship coordinator is available to ensure a match between preparation, abilities and interests of the student and the demands of the field experience. Teaching assistantships, research assistantships and less formal opportunities to work with psychology faculty on research projects are available to interested and qualified students. Leadership skills can be enhanced by training and practicum as small-group discussion leaders.

The psychology program at SPU endeavors to accomplish four goals: (1) To provide students with solid academic and experiential grounding in the theory, research and practice of the field of psychology; (2) to prepare and inspire able and motivated students to enter and contribute to the field of psychology; (3) to nurture students toward valuing themselves and others as persons of worth, created in God's image; and (4) to empower students to act in this world. That is, actively celebrating God's human and non-human creation, actively showing mercy and compassion to the vulnerable, and actively challenging and changing aspects of society that deny or denigrate persons.

To qualify for admission to the major, a student must have a 2.0 minimum GPA.

Requirements for the B. A. in Psychology

61 credits; 36 upper-division

Prerequisite to declaring major: Successful completion of PSY 1180 General Psychology.

Refer to pages 60–62 for a summary of degree requirements.

Core Courses

PSY 1180 General Psychology	5
PSY 4688 History and Systems in Psychology	5
PSY 4915 Senior Seminar	3

Select one from the following experiential courses:		
PSY 4940 Internship		
PSY 4970 Independent Research	Minimum of 3	
Psychology Exit Examination		0
Methods in Psychological Research		
PSY 2360 Introduction to Statistics in Social and Behavioral Science, or equivalent		5
PSY 3448 Tests and Measurements in Psychology		5
PSY 3588 Psychological Research Methods		5
Social Psychology		
PSY 3438 Social Psychology		5
Cognitive Psychology		
PSY 3885 Learning and Cognition		5
Physiological Basis of Behavior		
PSY 4488 Physiological Psychology		5
Distribution		
Select 5 credits from each of the following two areas:		
Developmental Psychology		
PSY 2470 Life-Span Developmental Psychology (5)		
PSY 3460 Child Developmental Psychology (5)		
PSY 4420 Adolescent Developmental Psychology (5)		5
Clinical/Counseling-Related Areas of Psychology		
PSY 3442 Psychology of Personality (5)		
PSY 4460 Abnormal Psychology (5)		
PSY 4470 Counseling Theory and Practice (5)		5
Electives		
Minimum of 5 additional credits in PSY as open electives*		5
Total		61

Requirements for the B.S. in Psychology*87 credits; 50 upper-division*

Prerequisite to declaring major: Successful completion of PSY 1180 General Psychology.

*Refer to pages 60–62 for a summary of degree requirements.***Core Courses**

PSY 1180 General Psychology		5
PSY 4688 History and Systems in Psychology		5
PSY 4915 Senior Seminar		3

Select one from the following experiential courses:

PSY 4940 Internship		
PSY 4970 Independent Research	Minimum of 3	
Psychology Exit Examination		0

Methods in Psychological Research

PSY 2360 Introduction to Statistics in Social and Behavioral Science or equivalent		5
PSY 3448 Tests and Measurements in Psychology		5
PSY 3588 Psychological Research Methods		5
PSY 4428 Advanced Statistical Analysis		5

Social Psychology

PSY 3438 Social Psychology		5
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Cognitive Psychology

PSY 3885 Learning and Cognition		5
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Distribution

Select 5 credits from each of the following two areas:

Developmental Psychology

PSY 2470 Life-Span Developmental Psychology (5)		
PSY 3460 Child Developmental Psychology (5)		
PSY 4420 Adolescent Developmental Psychology (5)		5

Clinical/Counseling Related Areas of Psychology

PSY 3442 Psychology of Personality (5)		
PSY 4460 Abnormal Psychology (5)		
PSY 4470 Counseling Theory and Practice (5)		5

Natural Science and Human Behavior

PSY 4488 Physiological Psychology		5
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At least 6 credits from the following courses:

BIO 4418 Neurobiology (5)		
FCS 3320 Maternal and Child Nutrition (3)		
FCS 3340 Human Nutrition (5)		
HSC 3035 Human Sexuality (3)		
PSY 4485 Psychobiology of Women (5)		6

Natural Science

BIO 2129 Human Anatomy and Physiology		5
BIO 2130 Human Anatomy and Physiology		5
CHM 1211 General Chemistry		5
CHM 1330 Organic and Biological Chemistry		5
Total		87

Requirements for the Psychology Minor*30 credits; 15 upper-division*

PSY 1180 General Psychology		5
Open electives in PSY*		25
Total		30

Both PSY 1250 and PSY 2250 (Relationship Development I and II) must be successfully completed if the student desires to apply these courses toward a psychology major or minor.*Psychology Courses****PSY 1180 General Psychology: Individual in Growth (5)**

Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development, abnormal behavior and the psychological processes of learning, perception, motivation and cognition. Attributes: Social Science Introductions; and Social Science A.

PSY 1250 Relationship Development I (2) A foundation course introducing healthy relational principles through self-exploration of interpersonal needs and dynamics. Includes the application of psychological research to gender differences, family of origin issues, relational needs and the dating process.**PSY 2250 Relationship Development II (2)** Prerequisite: PSY 1250. Presents the conceptual and practical basis for making healthy relational commitments. Includes the application of psychological research to friendship, love, intimacy, marital myths and mate selection. Class not open to freshmen and sophomores.**PSY 2360 Introduction to Statistics in Social and Behavioral Sciences (5)**

Prerequisites: High school algebra or equivalent; satisfactory completion of math proficiency requirement; and PSY 1180. Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and non-parametric statistics will also be provided. Course equivalent: SOC 2360. Attributes: Quantitative Reasoning; and Mathematics. Class open to psychology and sociology majors.

PSY 2361 Research Experience in Psychology (1) Registration approval: Instructor. Prerequisite: PSY 1180. Provides introductory experiences in the conduct of actual empirical research in social and behavioral science. Credits may not be applied toward the minimum 30 needed to complete the minor. May be repeated for credit up to 3 credits.**PSY 2422 Psychology of Personal Growth (3)** Prerequisite: PSY 1180. Views adjustive processes in terms of coping with struggles in life. Building on an understanding of adjustment, growth and self, the course explores coping strategies dealing with physical, cognitive, emotional and social influences. Attribute: Wellness.**PSY 2470 Life Span Developmental Psychology (5)**

Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.

“Psychology is the scientific attempt to plumb the depths of mental and behavioral complexities; from this attempt comes a growing comprehension of and appreciation for ourselves as people created in the image of God.”

Margaret Marshall
Psychology



PSY 3438 Social Psychology (5) Prerequisite: PSY 1180. Studies human social behavior and social influence processes. Major topics include affiliation, aggression, altruism, attraction, attitude formation and change, competition, compliance, conformity, cooperation and persuasion. SOC 4440 may be substituted for PSY 3438 in the psychology major, although PSY 3438 is the recommended course. Students may not receive credit for both PSY 3438 and SOC 4440. Course equivalent: SOC 4440. Attribute: Upper-Division.

PSY 3439 Motivation and Leadership (5) Prerequisite: PSY 1180. Presents the theories and principles of motivation and leadership with practical applications in business, church, community and educational settings. Course equivalent: BUS 3439. Attribute: Upper-Division.

PSY 3442 Psychology of Personality (5) Prerequisite: PSY 1180. Surveys the major theoretical views of personality with emphasis on comparison, contrast and practical implications for improving the understanding of self and others. Attribute: Upper-Division.

PSY 3448 Tests and Measurements in Psychology (5) Prerequisites: PSY 1180 and PSY 2360 or equivalent. Explores the nature and use of measurement and evaluation, psychometric theory and standardized testing. Develops concepts and skills in the development, selection, administration and interpretation of psychological and educational tests and nontesting means of evaluation. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 3460 Child Developmental Psychology (5) Prerequisite: PSY 1180. Surveys child development from conception through late childhood, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including parent-child relationships. Includes an introduction to the observation, measurement and evaluation of children. Attribute: Upper-Division.

PSY 3588 Psychological Research Methods (5) Prerequisites: PSY 1180 and PSY 2360 or equivalent. Explores the nature of scientific inquiry, the variety of psychological research methods, the design of internally and externally valid studies, and the application to designs of statistical techniques. Develops skills in locating, interpreting and evaluating published research. SOC 3751 may be substituted for PSY 3588 in the psychology major, although PSY 3588 is the recommended course. Students may not receive credit for both PSY 3588 and SOC 3751. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PSY 3600 Small-Group Leadership (3) Prerequisite: PSY 1180. Focuses on theory and applications of research regarding small-group interaction and leadership. Will provide students with practical supervised experience in group leadership. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 3885 Learning and Cognition (5) Prerequisite: PSY 1180 and PSY 3588. Studies the theories, methodologies, and findings of learning and cognitive psychology. Topics include classical and instrumental conditioning, and the information processing aspects of memory, concept formation, reasoning, problem solving and development. Attribute: Upper-Division.

PSY 4402 Psychology of Religion (3) Prerequisite: PSY 1180. Focuses on psychological processes of religious motivation, rituals, recruitment, conversion, and the development and maintenance of religious beliefs. Stages of faith development and the effects of religion on psychological functioning will be explored. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4410 Cross-Cultural Psychology (3) Prerequisite: At least one introductory course in the social and behavioral sciences. A comparative study of perception, cognition and life span development in non-Western cultures. Special focus is placed on understanding Western and non-Western worldviews and their relationship to such topics as child rearing practices, psychosocial adjustment and spiritual expression. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4420 Adolescent Developmental Psychology (5) Prerequisite: PSY 1180. Provides an overview of adolescent development focusing on the interaction of the physical, cognitive, emotional, moral, social, familial, educational and vocational dimensions within social and cultural contexts. Includes an introduction to the observation, measurement and evaluation of adolescents. Attribute: Upper-Division.

PSY 4428 Advanced Statistical Analysis (5) Prerequisites: PSY 2360. An advanced course in statistical analyses, particularly relevant for students with interests in conducting social and behavioral research. Topics include multiple regression, factor analysis and advanced applications of analysis of variance. Attribute: Upper-Division.

PSY 4460 Abnormal Psychology (5) Prerequisites: PSY 1180. Provides critical analysis of the history, etiology and symptomatology of abnormal behavior with reference to modern methods of assessment and treatment. Emphasizes an interdisciplinary approach to understanding maladaptive behavior. Attribute: Upper-Division.

PSY 4470 Counseling Theory and Practice (5) Prerequisites: PSY 1180 and PSY 3442. Provides an overview of the current approaches and techniques of psychological counseling. Examines the critical issues of counseling with an emphasis on personal-skill development. Provides application through use of role play, supervised experiences and videotape recording. Attribute: Upper-Division.

PSY 4485 Psychobiology of Women (5) Prerequisite: PSY 1180. Addresses how endocrinology, anatomy and physiology influence female behavior, affect and quality of life during several time segments across the life span. Issues such as the physical and psychological development of the female, the bi-directional relationship between hormones and behavior, pregnancy, childbirth and lactation, and menopause will be addressed in both a physical and social context. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4488 Physiological Psychology (5) Prerequisite: PSY 1180. The biological bases of behavior are explored through essential concepts in anatomy, physiology, biochemistry and pharmacology within the context of behavioral processes. Introduction to sensation and perception provided. The nervous and endocrine systems are presented as a foundation for behavior. Attribute: Upper-Division.

PSY 4688 History and Systems of Psychology (5) Prerequisite: PSY 1180 and a minimum of 25 hours of psychology. Gives an historical review and philosophical analysis of the development of psychology as a discipline. Emphasis is given to the relationship between specific historical antecedents and contemporary trends in psychology. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PSY 4899 Senior Seminar in Psychology (1–5) Prerequisites: PSY 1180, PSY 2360 or equivalent, PSY 3588 and at least 35 credits completed in psychology. A capstone experience in psychology integrating psychological theories and research in the context of the liberal arts and the Christian faith. Attribute: Upper-Division. Class open to psychology majors. Class open to seniors.

PSY 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Prerequisite: PSY 1180. Students will carry out an extensive exploration of a topic in psychology. Study is under supervision of a psychology faculty member, and builds on previous course preparation in psychology. Objective is to provide greater depth in analysis, synthesis and evaluation of the topic of interest. Substantial reading and writing expected. Credits may not be applied toward the minimum 30 needed to complete the minor. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4910 Topical Seminar in Psychology (1–5) Registration approval: Instructor. Seminar-style course designed to consider contemporary and controversial issues in psychology. Not offered every year. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4940 Internship in Psychology (1–5) Registration approval: Intern Learning Contract Req. Prerequisite: PSY 1180. Provides field experience in some phase of psychological work in the community. Builds on previous course preparation in psychology. Twenty-five hours of field work will be completed for each credit. A minimum of five hours per week on site required. Participation in a biweekly seminar is also required. Credits may not be applied toward the minimum 30 needed to complete the minor. For students desiring placements in social-service agencies, SOC 4310 and SOC 4380 are recommended. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4970 Independent Research (1–5) Registration approval: Instructor. Prerequisites: PSY 1180, PSY 2360 or equivalent, PSY 3588. Student will carry out empirical research under the supervision of a psychology faculty member and synthesize the findings in a written research report. Objective is to apply skills in research methods and data analysis. Credits may not be applied toward the minimum 30 needed to complete the minor. Credit variable up to a maximum of three per term. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Faculty

M. Kathleen B. Lustyk, Associate Professor of Psychology; B.S., University of Washington, 1988; Ph.D., University of Washington, 1992. At SPU since 1996.

Margaret A. Marshall, Assistant Professor of Psychology; Director, Undergraduate Research Program; B.S., University of Washington, 1998; M.S., University of Washington, 2001; Ph.D., University of Washington, 2002. At SPU since 2002.

Delbert S. McHenry Jr., Associate Professor of Psychology; B.A., Central Washington State College, 1967; M.S., Central Washington University, 1968; Ph.D., Michigan State University, 1973. At SPU since 1973.

Les Parrott III, Professor of Psychology; Director, Center for Relationship Development; B.A., Olivet Nazarene University, 1984; M.A., Fuller Theological Seminary, 1988; Ph.D., Fuller Graduate School of Psychology, 1990. At SPU since 1989.

Micheál D. Roe, Professor of Psychology; Chair of the Department of Psychology; B.A., Revelle College, University of California, 1973; M.Ed., University of Washington, 1975; Ph.D., University of Washington, 1981. At SPU since 1988.

Marcia Webb, Assistant Professor of Graduate Psychology; Supervisor, Internship Program; B.A., Wheaton College, 1985; M.A., Wheaton Graduate School, 1986; M.Div., Fuller Theological Seminary, 1995; Ph.D., Fuller Graduate School of Psychology, 1995. At SPU since 1996.

Russian

See Languages and Special Programs

Science Education

See Education

Social Service

See Sociology

Sociology

Alexander Hall
(206) 281-2158
www.spu.edu/depts/soc/

Bruce D. Congdon, *Dean of the College of Arts and Sciences*

Kevin Neuhouser, Chair, **Martin Abbott**, **David Caddell**, **David Diekema**, **William Loewen**, **Jennifer McKinney**, **Timothy Ulrich**

The Department of Sociology offers a major and a minor in sociology. Within the major, students may choose a social service emphasis.

Sociology is the systematic study of societies and the groups and institutions that compose them. The central premise of sociology is that the individual cannot be understood apart from societal and interpersonal contexts. Therefore, coursework is designed to help students gain perspective on themselves and the world around them through an analysis of social structure and culture.

Students majoring in sociology have secured positions in government, business, industry and private research agencies. Others hold jobs in planning agencies and research departments of city, county, state and federal government and religious organizations, law enforcement agencies and many other settings. The sociological perspective has also proven invaluable for students entering any of the helping professions. Advanced positions in these areas often require graduate training. Students desiring to focus on social service are offered courses that provide an overview of theory and skills necessary to enter helping professions that provide direct services to people in need. Many graduates take entry-level positions in the areas of child welfare, mental health, gerontology, delinquency and in programs that alleviate poverty. A social service background assists and encourages students to prepare for graduate work, especially in the areas of social work, counseling, teaching or health care professions.

Admission to the Major or Minor

To qualify for admission to the major, a student must have a 2.5 minimum GPA and 15 credits of completed work in the discipline.

Requirements for the Sociology Major

53 credits; 25 upper-division

Refer to pages 60–62 for a summary of degree requirements.

Required core courses

SOC 1110 Introduction to Sociology	5
SOC 2360 Introduction to Statistics in SBS (5) or MAT 1360 Introduction to Statistics (5)	5
SOC 3751 Introduction to Research Methods (5)	5
SOC 4702 Classical Sociological Theory	5
SOC 4899 Sociology Capstone Seminar	3
Total	23



Electives	30
Total	53

Note: Students in the sociology major are strongly encouraged to take the core courses in sequence — introduction, statistics, methods, theory and then capstone. With the help of their advisors, students should create a plan that includes the combination of elective courses that will best prepare them to achieve their career and life goals.

Requirements for the Sociology Minor

30 credits

SOC 1110 Introduction to Sociology	5
SOC 2360 or MAT 2360 Introduction to Statistics	5
Electives	20
Total	30

Note: Students should consult a sociology advisor to create a course of study that best accommodates their educational program.

Anthropology Courses

ANT 1110 General Anthropology (5) Provides a survey of the sub-disciplines that make up anthropology: physical anthropology, archeology and cultural anthropology. A cross-cultural study of the physical and cultural changes experienced by humankind in response to a continuous process of adaptation, change and development. Attribute: Social Science A.

ANT 2250 Cultural Anthropology (5) Focuses upon the comparative study of human cultures: technological, economical, social, political and religious systems, with examples drawn from selected cultures of the world. Attributes: Social Science Integration; and Social Science A.

ANT 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

ANT 4920 Readings in Selected Fields (1–5) Registration approval: Independent Study Agreement. Prerequisites: 15 upper-division credits of B grade work in the discipline. May be repeated for credit up to 14 credits. Attribute: Upper-Division.

ANT 4970 Independent Research (1–5) Registration approval: Instructor. Prerequisite: B grade work in the discipline. May be repeated for credit up to 30 credits. Attribute: Upper-Division.

Sociology Courses

SOC 1110 Introduction to Sociology (5) Basic principles for understanding social relationships. This course is a comprehensive introduction to the field of sociology, including analyses of the mutual interaction of society and the individual; major theoretical perspectives; methods for obtaining sociological knowledge; and major problems and issues that confront societies. *Note: Emphasis from a United States, Third World or social-problems perspective will be offered in different sections.* The Sociology Department will be able to identify which course has which emphasis. Attributes: Social Science Introductions; and Social Science A.

SOC 2252 Marriage and the Family (5) Surveys the family as an institution and a mode for personal living: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization. Course equivalent: FCS 2252.

SOC 2310 Foundations of Social Services (5) This course is intended to be an introduction to social services, social-welfare policy and the profession of social work in the United States. Social-welfare programs designed to ameliorate or reduce the impact of social problems including poverty, child maltreatment,

delinquent behavior, mental illness or problems associated with growing old will be explored. The role of human-service providers, especially social workers, is a cornerstone of the course. Liberal, conservative and radical political ideologies and the differing approaches to solving social problems will be discussed. The intersection of faith/religion and social services is integrated into all course content. Attributes: Social Science Introductions; and Social Science A.

SOC 2360 Introduction to Statistics in Social and Behavioral Sciences (5) Prerequisites: High school algebra or equivalent; and SOC 1110. (If the student registers for SOC 2360, SOC 1110 is prerequisite; PSY 1180 is prerequisite for PSY 2360). Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and non-parametric statistics will also be provided. Course equivalent: PSY 2360. Attributes: Quantitative Reasoning; and Mathematics. Class open to psychology and sociology majors.

SOC 2440 Small-Group Dynamics (5) Examines the small group as the primary source of social order. This course explores the internal processes of small groups, the impact of small groups on their individual members, and the relationship of small groups to larger social structures. Offered alternate years.

SOC 3215 Social Inequality: Power and Privilege (5) Analyzes societal organization based on residence, occupation, community, class and race, power structure in the community, and social-mobility patterns. Offered alternate years. Attribute: Upper-Division.

SOC 3270 Socialization (5) Prerequisite: SOC 1110. Socialization is the process by which individuals develop into social beings. Various theories of socialization and human development will be utilized to explore the role played by social structure and institutions in the integration of the individual into society. We will examine infant and early childhood socialization, the role of the media and social institutions in socializing children and adults, adult stages of development, and the role of history in socializing cohorts of people. Attribute: Upper-Division.

SOC 3370 Sociology of Deviance (5) Examines a variety of deviant behavior such as alcohol abuse, drug use, mental illness, violent crime, homosexuality, and prostitution. The course focuses on issues of social definition and causal explanation. Attribute: Upper-Division.

SOC 3371 Crime and Delinquency (5) Studies crime and delinquency in modern society, focusing on both individual and social causes. Attribute: Upper-Division.

SOC 3410 Medical Sociology (5) Prerequisite: SOC 1110 or permission of instructor. The study of the relationships between social institutions and the development of medicine as a profession. Also studied is the social demography of health, doctor-patient interactions, and ethical dilemmas developing from rapid technological advances. Attribute: Upper-Division.

SOC 3420 Political Sociology (5) Prerequisite: SOC 1110. This course is an introduction to “political sociology,” the analysis of the interaction between politics, society and economy. To focus the analysis, the course is oriented by two questions: What is the social basis of political power? What is the social basis for democratic regime stability or instability? Attribute: Upper-Division.

SOC 3750 Latin America (5) Traces the history of Latin America with particular attention to the development of political, economic, social and religious institutions. Course equivalent: HIS 3750. Attribute: Upper-Division. Class not open to freshmen.

SOC 3751 Introduction to Research Methods (5) Prerequisite: SOC 2360 or MAT 1360. Explores the development of social research, the nature of scientific inquiry, basic methodological techniques, and examines representative sociological and political studies from the standpoint of methodology. Note: PSY 3588 may be substituted for SOC 3751 in sociology and related majors although SOC 3751 is the preferred course. Students may not receive credit for both SOC 3751 and PSY 3588. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

SOC 3862 Racial and Ethnic Minorities (5) Comparative study of the nature of minority relations, methods and problems of group adjustment, and positions of various minority groups in the United States and other multiracial societies. Attribute: Upper-Division.

SOC 4210 Women in the Third World (5) An exploration into the variety of conditions that constrain the material, social and spiritual well-being of Third World women. The course will examine how contemporary processes of social and economic change in the Third World impact women and how "development" could better address their needs. Attribute: Upper-Division. Class open to juniors and seniors.

SOC 4250 Sociology, Policy and Law (5) The legal process and the creation of public policy are both influenced by the cultural context of the time. This course discusses the influence law and public policy have on individual groups of people and society at large. While legal issues will be discussed, this course will focus on sociological perspective of law. Offered alternate years. Attribute: Upper-Division.

SOC 4252 Sociology of Family (5) Prerequisite: SOC 1110. This is an advanced course exploring the nature of the institution of the family in society. In general, the course will examine the evolution of the family over time as well as current issues and crises as they may be applicable to public policy. In addition, we will examine current debates and questions in the field of family sociology. The goal of this course is to provide the student an understanding of the family as a social institution in American life. Attribute: Upper-Division.

SOC 4308 The Helping Relationship: Theory and Skills (5) This course examines the knowledge base and practice skills necessary to the development of effective client/helper relationships in the human-service professions. Students will simultaneously focus on two areas of learning. The first level pertains to understanding the steps and key skills necessary to successfully utilize a task-centered model of problem solving. This includes an introduction to and practicing of basic interviewing skills, especially active listening and the effective use of questions. The second level of learning is directed at assisting students to deepen their degree of self awareness pertaining to their values, family histories, religious beliefs and biases that might facilitate or create barriers in building effective helping relationships with clients. The class material will touch on the importance of diversity issues prevalent in our society such as gender, ethnicity, race, religious and sexual distinctions. Attribute: Upper-Division.

SOC 4310 Foundations for Social Service (5) This course is intended to be an introduction to social services, social-welfare policy and the profession of social work in the United States. Social-welfare programs designed to ameliorate or reduce the impact of social problems including poverty, child maltreatment, delinquent behavior, mental illness or problems associated with growing old will be explored. The role of human service providers, especially social workers, is a cornerstone of the course. Liberal, conservative and radical political ideologies and the differing

approaches to solving social problems will be discussed. The intersection of faith/religion and social services is integrated into all course content. Attributes: Social Science Introductions; Social Science A; and Upper-Division.

SOC 4380 Social Service Organizations (5) This course is intended to be an overview of the methods, structures and goals for delivering social services to people in need. The first portion of the quarter will focus on social-service methods such as the delivery of services to individuals and families, groups, communities and social services delivered through the church. The second portion of the quarter will be devoted to examining human-service agencies. Topics that will be covered are funding sources, bureaucratic structure, organization goals for clients, client-organization relationships, worker-client relationships and worker burnout. Attribute: Upper-Division.

SOC 4440 Social Psychology (5) Studies the relationship between the individual and the group. Includes the major theories, methodological approaches and substantive areas of investigation that figure prominently in social psychology (e.g., social interaction, gender, deviance, aggression, conformity, etc.). PSY 3438 may be substituted for SOC 4440 in the sociology major, although SOC 4440 is the recommended course. Students may not receive credit for both SOC 4440 and PSY 3438. Course equivalent: PSY 3438. Attribute: Upper-Division.

SOC 4702 Classical Sociological Theory (5) Explores the major theoretical issues raised by classical theorists such as Weber, Simmel, Marx, Durkheim and Mead, and their influence on contemporary social theory. Attributes: Upper-Division; and Writing Course.

SOC 4703 Contemporary Sociological Theory (5) Prerequisite: SOC 1110. This is an introduction to the major contemporary theoretical programs in sociology, e.g., exchange approaches, symbolic interactionism, structural theories and feminist theories. Emphasis will be placed on the basic assumptions and elemental ideas of the various theories, and the relevance of these ideas for understanding contemporary society. Attribute: Upper-Division.

SOC 4820 Sociology of Religion (5) An analysis of religion as a social form, including the rise of Christianity, religious social perspectives, conversion and commitment processes, sect and cult, charisma and its routinization, religion and inequality, secularization, and social change. Attribute: Upper-Division.

SOC 4899 Sociology Capstone Seminar (3) Provides an opportunity for students to reflect upon the discipline of sociology, what they have learned in their sociological studies, and the significance of sociology in providing an ongoing perspective for understanding the world. Further, students will be asked to think about how their faith perspective intersects with a sociological approach to understanding human life. Appropriate readings will be assigned to facilitate thought and discussion. Attribute: Upper-Division. Class open to sociology majors. Class open to seniors.

SOC 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

SOC 4910 Seminar (1–5) Registration approval: Instructor. Provides a seminar experience in emerging and in specialized topics within sociology such as family violence, death and dying, etc. Fulfills capstone requirement. May be repeated for credit up to 12 credits. Attribute: Upper-Division. Class open to sociology majors.

SOC 4920 Readings in Selected Fields (1–5) Registration approval: Independent Study Agreement. Prerequisites: 15 upper-division credits of B work in the discipline. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

SOC 4930 Practicum in Sociology (1–15) Registration approval: Intern Learning Contract Req. Prerequisites: SOC 2310 or SOC 4310 and SOC 4308 and SOC 4380. SOC 4308 or SOC 4380 may be taken concurrently. Provides field experience for those students seeking opportunities in direct services, particularly in the area of case management. These students will relate sociological methods and social work skills to an applied setting. A learning contract describing learning objectives must be developed by the student and approved by the faculty sponsor. Additional information and all placement approvals are obtained from the internship coordinator for the Sociology Department. May be repeated for credit up to 15 credits. Corequisite: SOC 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

SOC 4940 Internship in Sociology (1–15) Registration approval: Intern Learning Contract Req. Prerequisite: SOC 2310 or 4310. Provides field experience opportunities for students to relate sociological methods and the sociological framework to an applied setting and to expand their learning through an experiential approach. A learning contract describing learning objectives must be developed by the student and approved by the faculty sponsor. Additional information and all placement approvals are obtained from the internship coordinator for the Sociology Department. May be repeated for credit up to 15 credits. Corequisite: SOC 4941. Attribute: Upper-Division.

SOC 4941 Practicum/Internship Seminar (1–5) Provides a seminar experience for students who are currently enrolled in either an internship or practicum course in sociology. The class is student directed and topics discussed are related to the student's field experience. Fulfills capstone requirement. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

SOC 4970 Independent Research (1–5) Registration approval: Instructor. Prerequisite: B work in the discipline. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

Faculty

Martin L. Abbott, Professor of Sociology; B.S., Portland State University, 1974; M.A., Pepperdine University, 1976; Ph.D., Portland State University, 1984. At SPU since 1985.

David Caddell, Associate Professor of Sociology; B.A., California Baptist College, 1986; M.A., California State-Fullerton, 1989; Ph.D., Purdue University, 1992. At SPU since 1994.

David A. Diekema, Associate Professor of Sociology; B.A., Calvin College, 1982; M.A., University of Wisconsin-Milwaukee, 1985; Ph.D., University of Iowa, 1990. At SPU since 1992.

William Loewen, Assistant Professor of Sociology; B.A. S.W., Tabor College 1976; M.S.W., University of Washington, 1980; Ph.D., University of Pennsylvania, 2000. At SPU since 2002.

Jennifer McKinney, Assistant Professor of Sociology; B.A., Kentucky Wesleyan College, 1991; M.S., Purdue University, 1995; Ph.D., 2001. At SPU since 2001.

Kevin Neuhauser, Professor of Sociology; Chair of the Department of Sociology; B.A., Taylor University, 1980; M.A., Indiana University, 1986; Ph.D., 1990. At SPU since 1996.

Timothy Ulrich, Visiting Assistant Professor of Sociology; B.A., Concordia University, 1991; M.A., University of Nebraska-Lincoln, 1993. At SPU since 1999.

Spanish

See Languages

Student-Designed Major

Student-designed majors are intended for students with high academic achievement with a particular interest crossing the boundaries of disciplinary majors. A student may design an individualized major of courses selected from the various disciplines that apply to their special interest. Once a student has discussed a possible special major with a faculty advisor, he or she should submit the Student-Designed Major Application form, proposed program, a statement of purpose and rationale, and an advisor's and school's signature of approval to the Undergraduate Policy and Evaluation Committee. The proposal should provide evidence that the student has considered courses or learning experiences that will provide an opportunity to integrate content and skills from the various disciplines in his or her program. The committee may suggest changes, but once the proposal has been approved a contract will be placed in the student's file in Student Academic Services.

A student must have a minimum SPU cumulative GPA of 3.0 to apply for a student-designed major. A student-designed major must be applied for no later than the first quarter of a student's junior year. Student-Designed Major Application Forms are available from Student Academic Services. All standards governing a major as described elsewhere in the *Catalog* will apply to student-designed programs.

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Spanish | Student-Designed Major | Textiles and Clothing | Theatre

Textiles and Clothing

See Family and Consumer Sciences

Theatre

Crawford Music Building
(206) 281-2205
www.spu.edu/depts/fpa

Bruce Congdon, *Dean, College of Arts and Sciences*

Donald Yanik, *Chair*, **Andrew Ryder**, **George Scranton**, **Steve Beatty**,
Technical Director

The mission of the Department of Theatre is to educate, train and prepare theatre artists of character and competence who will engage and transform the culture through faithful use of their creative gifts and talents.

The study of theatre provides students with opportunities to explore personal values, develop personal skills and acquire techniques of insight and critical reasoning — all within a distinctive philosophical and artistic environment. Students in theatre are exposed to a sizable body of dramatic literature, theory and historical study, leading to the development of an informed perspective of the role of theatre as a social, spiritual and artistic institution. The experience is a liberalizing one, designed to allow the student to explore and develop herself or himself as both an individual and as an artist. By the nature of the art itself, the production and performance process is inherent to undergraduate theatre study. Many of the courses offered by the department focus on skills associated with performance, play writing, directing, designing and technical theatre crafts. In addition to the classroom

experience, an extensive production program is maintained. The performance schedule is divided among main stage, studio, laboratory and touring productions, with titles selected to reflect a wide range of dramatic forms and styles. Special emphasis is given to plays that deal with positive values and the relationship between theatre and the Christian faith.

Career Opportunities

The curriculum of the theatre program is designed both to prepare interested students for graduate studies and to serve as a ground-work for the placement of committed Christians in the culture-shaping world of the professional theatre. Career opportunities for theatre majors extend beyond acting into other specialties such as set design, lighting and costume design, stage management, promotion and publicity, play writing, directing and business management. Additionally, the skills acquired as a major — skills of self-knowledge, communicative social interaction, presentation of self, personal discipline, risk-taking, cooperative group effort and sensitivity to others — are important to many career applications other than those allied specifically with the theatre. Theatre majors find that they are prepared through their art to serve especially well in those careers associated with working with the public.

Admission to the Theatre Major

Formal admission to a major in theatre is accomplished at the end of the first quarter of the sophomore year, or in the case of transferring students beyond the sophomore level, in the second quarter of residence. To qualify for admission as a major in the theatre program, the student is required to have completed 12 credits of work with a 2.5 GPA in theatre and to complete and submit for the theatre faculty's approval an application for admission. Application should be made through the Office of Fine Arts on forms available there.

Students majoring in the study of theatre must fulfill the following requirements: Earn a minimum of 70 credits in theatre studies and applications, with a minimum of 30 upper-division credits, and they must demonstrate a growing ability in theatrical criticism, artistic awareness and personal theatrical skills. Theatre majors must successfully complete a senior project in acting, directing, design or play writing. This project must include both an approved prospectus and some form of public demonstration made during the student's senior year. The senior project, developed with advisor consultation and approved by the theatre faculty, is expected to be the independent work of a mature student artist. It is considered the culmination of the student's undergraduate training and must be of substantial merit, reflecting an informed artistic sensitivity and philosophy. (Up to 3 credits of TRE 4961 Special Projects may be accumulated in the completion of this requirement.) TRE 4899 Arts and Religious Experience is highly recommended (meets general education Arts and Humanities A).

Admission to the Theatre Minor

Formal admission to a minor in theatre is accomplished by the end of the sophomore year, or in the case of transferring students beyond the sophomore level, in the second quarter of residence. The student is required to complete and submit for the approval of the theatre faculty an application for minor status. Application should be made through the Office of Fine Arts on forms available there.

Students earning a minor in the study of theatre must fulfill the following requirements: Earn a minimum of 35 credits in theatre studies and applications, with a minimum of 15 credits in upper-division credits; and they must demonstrate a growing ability in theatrical criticism, artistic awareness and personal theatrical skills.

Requirements for the Theatre Major

70 credits; 30 upper-division

Refer to pages 60–62 for a summary of degree requirements.

Core Courses

TRE 1930/3930 Performance Practicum*	2
TRE 1931/3931 Production Practicum*	6
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1340 Acting I: Fundamentals (5) or TRE 1310 The Actor's Art	5
TRE 2340 Acting II: Character	5
TRE 2420 Theatre and Drama: Tragedy (5) or TRE 2421 Theatre and Drama: Comedy (5)	5
TRE 3733 Scene Design and Technical Drawing	5
TRE 3710 Play Directing	5
TRE 4910 History of the Theatre	5
TRE Electives	24
Total	70

*A maximum of 12 credits of practica offerings may be applied toward the major; any number toward the B.A. degree.

Requirements for the Theatre Minor

35 credits; 15 upper-division

TRE 4899 Arts and Religious Experience is highly recommended.

(It meets general education Arts and Humanities A.)

TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1340 Acting I: Fundamentals (5) or TRE 1310 The Actor's Art (5)	5
TRE 2420 Theatre and Drama: Tragedy (5) or TRE 2421 Theatre and Drama: Comedy (5)	5
TRE 3710 Play Directing	5
TRE Electives	17
Total	35

A maximum of 8 credits of practica offerings may be applied toward the minor; any number toward the B.A. degree.

Theatre Courses

TRE 1110 The Theatre Experience (5) A study of the theatre as both a distinctive art form and a social instrument, considered from three viewpoints: those of the artist, the spectator and the critic. Requires attendance at three to four evening theatrical performances. Extra fees required for events collected in class. Attribute: Arts and Humanities A. Class not open to theatre majors.

TRE 1310 The Actor's Art (5) Intended for non-theatre majors or minors. An introduction to the actor's task in preparation for the dramatic performance; focuses on developing sensory awareness, observation skills, selective imagination and ensemble relationships through improvisation and scene work. No credit for students who have taken TRE 1340. Attribute: Arts and Humanities A.

TRE 1340 Acting I: Fundamentals (5) Designed for intended theatre majors or minors or others with extensive acting experience. Prepares students for dramatic performance through intensive work in sensory awareness, observation skills and selective imagination. Develops ensemble relationships through improvisation and scene work. No credit given for students who have taken TRE 1310. Attribute: Arts and Humanities A.

TRE 1720 Stagecraft (5) An introduction to the backstage crafts of theatrical production and management, intended to give the student a broad understanding of the basic principles and technical procedures used in theatrical production management and the design and production of scenery, costumes, lighting and sound. Prerequisite: TRE 1931.

TRE 1810 Playscript Analysis (3) Foundational approaches to problems of script analysis. Reading and analysis of representative plays from the distinct perspectives of playwright, actor, designer and director. Attendance at selected theatrical productions and critical response.

TRE 1930 Performance Practicum (2) Registration approval: Instructor and audition. Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attribute: Arts and Humanities A.

TRE 1931 Production Practicum (2) Offered for design, technical theatre or management activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attribute: Arts and Humanities A.

TRE 2304 University Players (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times. Class not open to freshmen.

TRE 2320 Stage Movement (3) Specialized movement for the actor including work in physical flexibility, balancing, equilibratics, circus techniques, hand-to-hand combat and use of theatrical masks for performance. Offered alternate years.

TRE 2340 Acting II: Creating Character (5) Prerequisite: TRE 1310, 1340 or permission of instructor. Improvisation and scene work exploring the problems of characterization as developed through both internal and external performance techniques. Offered alternate years.

TRE 2350 Theatre Voice (3) A study of vocal production as related to the actor's craft. Analysis and exercises designed to promote relaxation, natural breathing, organic vocal production, articulation, phrasing and projection. Offered alternate years.

TRE 2420 Theatre and Drama: Tragedy (5) The nature of tragedy and tragic expression in the theatre as revealed by selected playscripts and theoretical works drawn from the history of Western civilization. Attribute: Arts and Humanities A.

TRE 2421 Theatre and Drama: Comedy (5) Principle theories of the comic as presented in the theatre and preserved in playscripts drawn from the history of Western civilization. Attribute: Arts and Humanities A.

TRE 2733 Scene Painting (3) Instruction in the basic scene painting practices and techniques for the stage. Includes blending, spattering, wood, brick, marble, stenciling and foliage, as well as surface-material preparation. Extra fees for materials and supplies. Offered alternate years.

TRE 2740 Introduction to Lighting and Sound (3) Prerequisite: TRE 1720. Introduction to stage lighting and sound, covering theatrical sound equipment, lighting equipment and instruments, and the principles of lighting and sound design. Offered alternate years.

TRE 2950 Special Topics in Theatre (2–5) Topic and credits to be announced in *OnlineTime Schedule* when offered. Topics offered usually only once, and only upon evidence of significant student interest. Possible topics include great themes of drama, medieval drama, the Asian theatre, theatre architecture, contemporary playwrights and the like. Class not open to non-matriculated students.

TRE 3321 Elements of Mime (3) An introduction to the theory and practice of mime, the language of gesture. Offered alternate years. Attribute: Upper-Division.

TRE 3340 Acting III: Styles (5) Explores analysis and performance techniques for plays of specialized historic and stylistic genre, including scene work drawn from classical, Elizabethan, mannerist and other dramatic materials. Offered alternate years. Attribute: Upper-Division.

TRE 3710 Play Directing (5) Prerequisite: TRE 1810 or permission of instructor. Consideration of the aesthetics and techniques of directing through exercises in achieving visual, auditory and kinesthetic effects. Includes play selection, organization, casting and rehearsing. Practical application. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 3720 Stage Makeup (3) An introduction to the techniques and application of stage makeup for straight and corrective character, old-age character, fantasy, special character effects and crepe hair techniques. Extra fees for materials and supplies. Offered alternate years. Attribute: Upper-Division.

TRE 3733 Scene Design and Technical Drawing (5) Prerequisite: TRE 1720. An introductory course of scene design with emphasis on analysis and interpretation of the script, use of research material and a developmental process of design. Includes an introduction to and the application of standard practices of drafting. Extra fees for materials and supplies. Attribute: Upper-Division. Class not open to freshmen.

TRE 3750 Costume and Period Styles (5) An introductory, developmental course with emphasis on analysis and interpretation of the script for costume plot, designer's sketches and presentation. Also includes a survey of period styles of costume, architecture, ornament, furniture and its application to stage design. Offered alternate years. Attribute: Upper-Division.

TRE 3780 The Art of Film (5) The goal of this course is to develop students' abilities to view films critically and to deepen their understanding of the film experience. The course first teaches analysis of narrative strategies, shot properties, *mise-en-scene*, editing, acting and the use of sound in film, particularly classical Hollywood cinema. The course then focuses on the study of different genres of films and how they present ideological points of view and fulfill certain wishes of the spectator. Offered alternate years. Course equivalents: COM 2780, COM 3780 and TRE 2780. Attributes: Arts and Humanities A; Upper-Division; and Writing Course. Class not open to freshmen.

TRE 3800 Theatre Education Methods (3) Registration approval: Instructor. Explores contemporary methods and trends in the teaching of theatre, emphasizing management of a production program; critical response to artistic experiences; contexts of theatrical works; connections within the arts; and pedagogy. Attention is given to AATE standards and Washington Essential Academic Learning Requirements in the Arts. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 3930 Performance Practicum (2) Registration approval: Instructor and audition. Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attributes: Arts and Humanities A; and Upper-Division. Class not open to freshmen and sophomores.

TRE 3931 Production Practicum (2) Offered for design, technical theatre or management activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attributes: Arts and Humanities A; and Upper-Division. Class not open to freshmen and sophomores.

TRE 4304 University Players (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4760 Playwriting (5) Prerequisite: TRE 1810 or permission of instructor. Seminar discussion and conferences in the writing of actual playscripts. Offered alternate years. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

TRE 4770 Creative Dramatics (3) Presents a workshop exploring methods to move children from their inner circle of knowledge and experience to their outer circle of thought, expression and product through the use of creative drama. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4899 Capstone: The Arts and Religious Experience (5) This capstone course in theatre explores the interdependence of theatre and Christian theology and worship. Its primary focus is on theatre and its inter-relationships with religious experience, but explores some aspects of its related arts of music, visual arts, dance and architecture, especially as they relate to religious experience and Christian worship. Included in the course is an opportunity to plan and implement a group worship experience using the arts as an integral part of that worship event. Attributes: Arts and Humanities A; Fine Arts Core; Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

TRE 4900 Independent Study in Theatre (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4910 History of the Theatre (5) Survey of the history of the theatre from preclassical to contemporary times, tracing development and changes in theater architecture, social purpose, the role of the theater artist and the nature of theatrical experience. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

TRE 4943 Theatre Internship (1–5) Registration approval: Intern Learning Contract Req. Prerequisites: 15 credits of B or better work in theatre; an internship plan approved by the theatre faculty. Supervised application of theatre skills in the marketplace. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class open to theatre majors. Class not open to freshmen and sophomores.

TRE 4950 Special Topics in Theatre (1–5) Registration approval: Instructor. Topic and credits to be announced in *Online Time Schedule* when offered. Topics offered usually only once, and only upon evidence of significant student interest. Possible topics include great themes of drama, medieval drama, the Asian theatre, theatre makeup, theatre architecture, contemporary playwrights and the like. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4951 Special Topics in Theatre (1–5) Registration approval: Travel Studies Form. Attribute: Upper-Division.

TRE 4961 Special Projects in Theatre (1–5) Registration approval: Instructor. Individual research and conferences in area of specialization within the theatre discipline, culminating in the presentation of a project. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class open to theatre majors. Class not open to freshmen and sophomores.

Faculty

Andrew Ryder, Associate Professor of Theatre; B.A., Anderson University, 1990; M.A., Michigan State University, 1994; Ph.D., Bowling Green State University, 1997. At SPU since 2000.

George A. Scranton, Professor of Theatre; B.A., Seattle Pacific College, 1968; M.A., 1971; M.A., University of Washington, 1975; Ph.D., The Graduate Theological Union, 1994. At SPU since 1970.

Donald P. Yanik, Professor of Theatre; Chair of Theatre; B.S., Anderson College, 1964; M.Ed., University of Nebraska, 1970; M.F.A., Southern Methodist University, 1981; Fulbright Scholar, Taiwan, 1993–1994. At SPU since 1985.

Theology, School of

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Colin Greene, *Dean of the School of Theology*

Miriam Adeney, Patricia Brown, Kerry Dearborn, Robert Drov Dahl, Sara Koenig, Douglas Koskela, Eugene Lemcio, John R. Levison, Randy Maddox, Dave Nienhuis, Delia Nüesch-Oliver, Priscilla Pope-Levison, Edward Smyth, Frank Spina, Richard Steele, Robert Wall

The mission of the School of Theology at Seattle Pacific University is to educate and prepare all our students to engage the culture as thoughtful people. We seek to foster their intellectual, personal and spiritual growth, and help them master those critical skills and multicultural sensitivities needed to understand Christian faith and translate it into practices that change the world.

The school stands squarely in the Methodist heritage and our courses are shaped by our commitment to the method of theological inquiry delineated by John Wesley, the founder of that tradition. According to that method, there are four sources of Christian truth that believers must consult: the Bible (which is preeminent among the four), church tradition, human reason and their own personal experience of the Risen Christ. These sources are understood to be correlative and mutually corrective, and the adventure of theological inquiry consists precisely in listening attentively to the distinct but compatible contributions of each. It is our expectation that students who practice this method will come to an informed, confident and deeply “owned” Christian faith.

The School of Theology serves all SPU students through courses meeting University Foundations requirements. These requirements, described elsewhere in this *Catalog*, introduce students to the biblical heritage and to the distinctive doctrines and practices of various strands within the broad Christian tradition.

We offer two majors: educational ministry and Christian theology. These majors are described in detail below. Please note that although they share a common core of courses (a fact that facilitates double-majoring), each also includes an array of specialized courses suitable to its distinctive focus. We also offer four minors: Christian Scriptures; educational ministry; youth ministry; and global and urban ministry. A minor in one of these areas will enrich the Christian perspective of a student's chosen major and strengthen the connection between one's faith and one's life in the workplace, home, church and world. Finally, we offer an International Service Certificate for those interested in living and working in multicultural settings.

Admission to Majors or Minors

To qualify for a major in the School of Theology, students must have a cumulative GPA of 2.0 or higher in all previous college credits and have attained at least a B- grade in a University Foundations course.

Educational Ministry Major

Robert Drov Dahl, Contact

The field of educational ministry, traditionally known as Christian education, is an interdisciplinary area addressing the question of how we facilitate spiritual development in persons. To answer this question, the field explores the foundational theological disciplines, the social sciences and educational philosophy. A major in educational ministry is recommended for students interested in spiritual development and the educational/equipping ministry of the church. It provides a pre-professional course of study within a liberal arts perspective for students pursuing full-time ministry in a church or parachurch setting. Occupationally, educational ministry majors work within church and parachurch organizations. Possible church roles include director of Christian education, youth director and children's director. Possible parachurch settings include student development, Christian service organizations, Christian camping and curriculum design. Some students also combine a major in educational ministry with education certification to prepare for elementary school teaching.

Requirements for the Educational Ministry Major

59 credits

Refer to pages 60–62 for a summary of degree requirements.

Christian Scriptures

Select two upper-division Scripture courses 10

Christian Heritage

Select two courses from the following:

THEO 3301 Early and Medieval Christianity (5)	
THEO 3302 Reformation and Modern Christianity (5)	
THEO 3303 Christianity in America (5)	
THEO 3631 Women in Christianity (5)	10

Christian Doctrine/Christian Ethics

Select one upper-division Christian doctrine or Christian ethics course 5

Christian Ministry

THEO 2710 Foundations for Educational Ministry	5
THEO 2720 Curriculum and Instruction	5
THEO 3710 Human Development and Christian Faith	5
THEO 3730 Program Planning in Youth Ministry	3
THEO 4710 Current Issues in Educational Ministry	3
THEO 4720 Leadership in Ministry	5
THEO 4731 Child Development and Educational Ministry	3
THEO 4733 Adult Development and Education Ministry	3
THEO 4899 Christian Theology Capstone	2

Total 59

Note: The requirements for the major are in addition to meeting the Foundations requirements.

Christian Theology Major

Richard Steele, Contact

As the study of Christian belief and practice with the goal of fostering faithful Christian life, theology is necessarily multi-disciplinary. The Christian theology major is designed to cultivate an appreciation for how Scripture, tradition, reason and experience rightly inform theological reflection. The aim of this major within the liberal arts is to nurture those skills and capacities required of a thoughtful and articulate faith. As a result of majoring in Christian theology, the student is well prepared either for the workplace or for graduate study in the humanities or the professions. Besides enriching the student's life with God, this major also seeks to enhance the student's service to the church.

Requirements for the Christian Theology Major

58 credits

Refer to pages 60–62 for a summary of degree requirements.

Christian Scriptures

Select one course from the following:

THEO 3110 Torah (5)	
THEO 3120 The Former Prophets (5)	
THEO 3130 The Latter Prophets (5)	
THEO 3140 Biblical Wisdom (5)	5

Select one course from the following:

THEO 3210 The Gospels (5)	
THEO 3220 Acts (5)	
THEO 3230 The Letters of the New Testament (5)	
THEO 3240 The Book of Revelation (5)	5
THEO 4290 Biblical Theology	5

Christian Heritage

Select two courses from the following:

THEO 3301 Early and Medieval Christianity (5)	
THEO 3302 Reformation and Modern Christianity (5)	
THEO 3303 Christianity in America (5)	
THEO 3331 Women in Christianity (5)	10

Christian Doctrine

THEO 3401 Exploring Christian Doctrine	5
THEO 4401 Representative Theologians	5

Christian Ethics

Select one of the following:

PHI 1002 Introduction to Ethics (5)	
THEO 3501 Christian Ethics (5)	
THEO 3510 Christianity and Society (5)	5

Christian Ministry

Select one of the following:

THEO 2710 Foundations for Educational Ministry (5)	
THEO 3710 Human Development and Christian Faith (5)	5
THEO 3601 Multiethnic Ministry (3)	
THEO 3640 Cross-Cultural Communication (3)	
THEO 4610 World Religions (3)	3–5

Philosophical Backgrounds

PHI 1004 Survey of Western Philosophy (5)	5
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Capstone

THEO 4495 Christian Theology Capstone	2–5
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Total 55–58

Note: The requirements for the major are in addition to meeting the Foundations requirements.

Minors

Christian Scriptures Minor

Robert Wall, Contact

The purpose of the Christian Scriptures minor is to lead students into more mature understanding of Scriptures' teaching about God. Not only is this minor designed to be intellectually invigorating, but each course also intends to relate Scripture to Christian formation in spiritually enriching and challenging ways. Course by course, students will learn how to interpret Scripture with skill and grace, discovering the historical, literary and theological aspects of different biblical writings and the practical implications of each for Christian faith and witness today.

Requirements for the Christian Scriptures Minor

30 credits

UFDN 2000: Christian Scripture	5
THEO 3100 Christian Theology	5
THEO 3210 Four Gospels and One Jesus	5

Select one course from the following:

THEO 3110 Torah (5)	
THEO 3120 The Former Prophets (5)	
THEO 3130 The Prophets of Israel (5)	
THEO 3140 Biblical Wisdom (5)	5

Select one course from the following:	
THEO 3220 Acts and Letters of Paul (5)	
THEO 3230 New Testament (5)	
THEO 3240 The Book of Revelation (5)	
THEO 3130 The Latter Prophets (5)	
THEO 3140 The Writings (5)	5
THEO 3230 The Letters of the New Testament	5
THEO 3240 The Book of Revelation	5
Select on course from the following:	
THEO 4000 From the Old Testament to the New (5)	
THEO 4290 Biblical Theology (5)	5
Total	30

Educational Ministry Minor

Robert Drov Dahl, Contact

Issues in spiritual development and the educational/equipping ministry of the church affect all Christians. A minor in educational ministry provides an ideal program for exploring these issues and strengthening a student's ability to serve in present and future life roles: church leader or teacher, Christian parent, a profession that involves a helping relationship and other roles concerned with nurturing spiritual development.

Requirements for the Educational Ministry Minor

31 credits

THEO 2710 Foundations of Educational Ministry	5
THEO 2720 Curriculum and Instruction	5
THEO 4720 Leadership in Ministry	5
Select two courses from the following age-level courses	
THEO 3730 Programming in Youth Ministry (3)	
THEO 4731 Child Development and Educational Ministry (3)	
THEO 4733 Adult Development and Educational Ministry (3)	6
One course from the Christian doctrine section	5
Elective course work in educational ministry	5
Total	31

Youth Ministry Minor

Robert Drov Dahl, Contact

Reaching today's youth with the gospel requires dedicated, capable leadership. The minor prepares students for effective ministry by an education in the theological, relational, and programming foundations of youth ministry and training in skills for youth ministry. The minor culminates with an internship in a church or parachurch ministry.

Requirement for Youth Ministries Minor

32 credits

THEO 2710 Foundation for Educational Ministry	5
THEO 3710 Human Development and Christian Faith	5
THEO 3715 Youth Cultures and Christian Faith	3
THEO 3730 Programming in Youth Ministry	3
THEO 3735 Youth Ministry: Mission and Evangelism	3
THEO 4720 Leadership in Ministry	5
THEO 4950 Special Topics	3
THEO 4940 Internship	2
Elective	3
Total	32

Global and Urban Ministry Minor

Delia Nüesch-Olver, Contact

The global and urban ministries (GUM) minor serves students in all majors, equipping students to understand the theological and contextual realities of the world today, which is heavily urban and multi-ethnic. We strive to develop global Christians who will participate in God's transformation of the world. This program offers a minor, an internship and a certificate. The internship may be com-

pleted either through the course, Interpreting the City, or through a minimum of six weeks spent in residence in an ethnic community overseas or locally, working on an academic project. In the term preceding the field experience, the student will enroll in 1 credit of independent study with a GUM professor to design the project. Following the field experience, the student will enroll in 1 credit of independent study to write a paper summarizing the field research. An internship will earn 5 credits, including the independent study credits.

Requirements for the Global and Urban Ministry Minor

30 credits

THEO 2620 Introduction to Global and Urban Ministries	5
THEO 3640 Cross-Cultural Communication	3
THEO 3630 Holistic Ministries	3
THEO 4610 World Religions	3
Select two courses from the following:	
THEO 3601 Multi-Ethnic Ministries (3)	
THEO 4602 Issues in Latin American Christianity (3)	
THEO 4603 Issues in Asian/African Christianity (3)	6
Elective(s)	5
THEO 4940 Internship (5)	
or THEO 4620 Interpreting the City (5)	5
Total	30

Young Life Program

Students may combine the youth ministry minor with a supervised internship with Young Life. Interns may work toward full-time placement after college through Young Life's church partnership program or as full-time Young Life staff. For more information, contact the School of Theology.

International Service Certificate

This brief program offers useful training for students who hope to live and work multiculturally as Christians, but who cannot take enough courses to earn a minor in global and urban ministries.

Requirements for the International Service Certificate

9–13 credits

THEO 3640 Cross-Cultural Communication (3)	3
An elective course in Global and Urban Ministry	3–5
An approved course in the student's major (i.e., international business)	
or a second course in Global and Urban Ministry	3–5
Total	9–13

Greek Courses

GRK 1101 Elementary Greek (3) Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek literature. Offered Summer Quarter only.

GRK 1102 Elementary Greek (3) Prerequisite: GRK 1101 or equivalent. Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek Literature. Offered Summer Quarter only.

GRK 1103 Elementary Greek (3) Prerequisites: GRK 1101 and 1102 or equivalent. Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek literature.

Theology Courses

THEO 2620 Introduction to Global and Urban Ministry (5) This course provides an overview of the city in contemporary society. It introduces the student to the vocabulary, strategies, models and theological foundations for urban ministry.

THEO 2710 Foundations for Educational Ministry (5)

Introduces students to the definition, scope and nature of the Church's teaching ministry. The task of educational ministry is designing teaching/learning experiences and environments that facilitate Christian formation. Students will examine the theological, historical, philosophical and psycho-social foundations for educational ministry.

THEO 2720 Curriculum and Instruction (5) Provides a systematic approach to curriculum development and instructional theory for Christian education including theological, sociological and psychological concerns at each age level. Emphasis is on effective Bible teaching.

THEO 2900 Foundations for Leadership (5) Registration approval: Instructor. Provides students with the opportunity to understand the relationship of Christian spirituality to personal integrity, interpersonal relationships and the leadership of all organizations. Students will explore biblical examples of leadership and examine their own motivation and approaches to leadership. Special emphasis will be placed on practical skills in personal management, scheduling, prioritization, as well as the leadership of committees. Class not open to freshmen.

THEO 3100 Community Bible Study (2) Study of a selected book or particular theme of the Bible. Each quarter a new book or theme will be explored with particular attention given to its part in the formation of Christian life. All members of the SPU community are encouraged to "tune in CBS" (community Bible study)! May not be used to satisfy School of Theology major or minor requirements. May be repeated for credit up to 18 credits. Attribute: Upper-Division.

THEO 3110 Torah/Pentateuch: The Old Testament Gospel (5) Prerequisite: UFDN 2000 or 3001. Focuses on the first five books of the Bible known as Torah or Law (Pentateuch). Besides "law," Torah also means "instruction, teaching, story or narrative." As the first major section of the Bible, Torah is foundational to the rest of the biblical witness. In this course, we will carry out a close reading of the text with a view to ascertaining the primary theological emphasis of a narrative that begins with creation and ends with the death of Moses. Reading Torah "as Scripture" informs our approach. Comparing this approach to a primarily modern reading will be an important feature of the course. Attributes: Upper-Division; and Writing Course.

THEO 3120 The Former Prophets: Entering and Leaving the Promised Land (5) Prerequisite: UFDN 2000 or 3001. Consisting of the first half of the second major section of the Old Testament (prophets), the former prophets contain Joshua, Judges, Samuel and Kings. The stories contained in this extensive segment feature the fortunes and misfortunes of Israel, the people through whom God is attempting to bless the world. An understanding of the former prophets is requisite for understanding the latter prophets (Isaiah, Jeremiah, Ezekiel and the Twelve), as well as other parts of the Old and New Testaments. In this course, we will carry out a close reading of the text with a view to ascertaining the primary theological emphasis of a narrative that begins with Israel's entry into the Promised Land and ends with Israel's removal from that same land. Reading former prophets "as Scripture" informs our approach. Comparing this approach to a primarily modern reading will be an important feature of the course. Attributes: Upper-Division; and Writing Course.

THEO 3130 The Prophets of Israel (5) Prerequisite: UFDN 2000 or 3001. Israelite literature contains a substantial literary legacy of prophets. These extraordinary figures, in a relentless effort to grasp the attention of their hearers, combined political critique, theological brilliance and rhetorical flare. This course provides clear methods for interpreting these prophetic books within their original historical contexts in Israelite culture, as well as sound guidelines for determining their relevance in our world. Attributes: Upper-Division; and Writing Course.

THEO 3140 Biblical Wisdom: Encountering God in Everyday

Life (5) Prerequisite: UFDN 2000 or 3001. Wisdom literature is found within the diverse section of the Christian Old Testament known as the "Writings." In the biblical books of Proverbs, Ecclesiastes, Song of Songs and Job, as well as in the Apocryphal books Sirach and the Wisdom of Solomon, is found a rich distillation of timeless instruction open and available to all people. These are writings whose teaching is based upon keen observations of human experience and seeks to understand real life whenever people encounter God's truth in ordinary ways. This course will pay close attention to Wisdom's complex approach to reality, especially when affirming the sometimes paradoxical and ambiguous nature of living life in harmony with God's purposes. Moreover, the practical and optimistic perspective of "traditional" wisdom (e.g., Proverbs) will be compared and contrasted with "radical" wisdom's more skeptical and critical perspective (e.g., Ecclesiastes); only then is formed a fully biblical conception of a wise approach to life with God. Wisdom's contribution to our ethical practices will also be highlighted, with the belief that in "becoming a person of wisdom" the serious student must engage not only one's head, but one's entire life. Attributes: Upper-Division; and Writing Course.

THEO 3210 Four Gospels and One Jesus (5) Prerequisite: UFDN 2000 or 3001. "Will the real Jesus please stand up?" A major revolution in society's and the church's views of Jesus would occur if he were allowed to speak and act on his own terms. So, in this course, students will be engaged in direct study of the Gospel accounts in parallel form (alongside one another) and according to their authors' literary methods. Attribute: Upper-Division.

THEO 3220 Prophecy, Power and Politics: Reading Acts

Today (5) Prerequisite: UFDN 2000 or 3001. Acts tells the exciting story of the first believers who continued the ministry of the risen Jesus from Jerusalem to Rome. Acts is also one of Scripture's most strategic books, providing the New Testament's introduction to the biblical letters by introducing us to their implied authors and audiences. Our classes will carefully study the Book of Acts with particular attention on how its story of the church's mission fulfills Old Testament promises to Israel, continues the Gospel's story of Jesus and prepares us to study the New Testament letters in order to fashion a vigorous Christian faith for today's world. Attribute: Upper-Division.

THEO 3230 Faith and Works: New Testament Letters (5)

Prerequisite: UFDN 2000 or 3001. The two collections of New Testament Letters — Pauline (Romans-Philemon) and Catholic (James-Jude) — combine to give the New Testament student a balanced understanding of the Christian faith. These letters are among the most frequently consulted biblical writings in formulating what Christians believe and how they should behave in the world. Our classes will seek to clarify the historical, literary and theological differences between these two collections in order to demonstrate why both are necessary in forming a more robust understanding of the Christian gospel. Attributes: Upper-Division; and Writing Course.



"The chance to breathe slowly while poring over good books, to have conversations that matter, to know we care passionately and will demand our students' best — these are the gifts School of Theology professors offer our students."

Jack Levison
Theology

THEO 3240 The Book of Revelation: Back to the Future (5) Prerequisite: UFDN 2000 or 3001. Instead of being the “problem child” of the New Testament and the “happy hunting ground of kooks and weirdos,” this book, if read intelligently and sympathetically, can become the Bible’s crown jewel. We will also note how many of its themes have had a profound influence on art, music, literature and modern psychology. Attributes: Upper-Division; and Writing Course.

THEO 3301 Early and Medieval Christianity (5) A survey of Christianity from its post-apostolic origins to the end of the Middle Ages. Initially, evaluates the formation of orthodoxy, the challenge of heterodoxy, early monasticism, missions to Western Europe; then explores the achievement of the medieval church through a study of the papacy, scholasticism and the Crusades. Course equivalent: HIS 3401. Attribute: Upper-Division. Class not open to freshmen.

THEO 3302 Reformation and Modern Christianity (5) A survey of European and Latin American Christian history from the 16th century to the present. Attention will be given to the Protestant and Catholic Reformations of the 16th century; to the colonization and evangelization of the Americas in the 16th and following centuries; to the rationalism, orthodoxy and pietism of the 17th century; to the revivalism of the 18th century; to the historicism and liberalism in the 19th century; and to the emergence of neoorthodoxy, the ecumenical movement and liberation theologies in the 20th century. Course equivalent: HIS 3402. Attribute: Upper-Division. Class not open to freshmen.

THEO 3303 Christianity in America (5) A survey of the development of American Christian thought and institutions from the 17th century to the present. Representative works by major thinkers of different historical periods and denominational affiliations will be studied. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today. Course equivalent: HIS 3406. Attribute: Upper-Division. Class not open to freshmen.

THEO 3305 Topics in the History of Christianity (3–5) Specific focus varies. Current topic: “Western Spirituality: Heretics, Mystics and Monks” (3). Explores various spiritual movements from the early Church to the 16th century, with special attention to their contributions to mainstream Catholic and protestant traditions. May be repeated for credit up to 10 credits. Course equivalent: HIS 3405. Attribute: Upper-Division. Class not open to freshmen.

THEO 3331 Women in Christianity (5) This course integrates Church history, biblical study and Christian theology to develop students’ understanding of women in Christianity. The class will include a survey of women in the Christian tradition including women of faith in the Bible and in church history. Students will gain understanding of the philosophical and cultural contexts of biblical references to women and will probe the biblical texts to gain insight into their meaning and their implications for the present. Contributions selected women have made to the church and the world will be highlighted. Theology, ministry style, community and family dynamics, and challenges faced by women today will be discussed. This course may be taken toward the women’s studies minor. Attribute: Upper-Division. Class not open to freshmen.

THEO 3401 Exploring Christian Doctrine (5) Prerequisite: UFDN 3000 or 3100. In-depth study of selected areas of Christian doctrine. Deepens awareness of the biblical and practical roots of Christian doctrinal reflection as well as of the doctrinal consensus and diversity in the Christian tradition. Specific doctrinal focus will vary by quarter. Doctrinal areas regularly offered include God the Father, Christology, Holy Spirit, theological anthropology, church and sacraments and eschatology. May be repeated for credit two times. Attribute: Upper-Division.

THEO 3501 Christian Ethics (5) Prerequisite: UFDN 3000 or 3100. Explores the question, “What does it mean to lead a Christian life?” Discusses the practice of those spiritual disciplines and the cultivation of those moral virtues that properly characterize a follower of Jesus. Addresses several moral issues of special concern to the contemporary church, such as gender relations, sexual conduct and the accumulation of wealth. Attribute: Upper-Division.

THEO 3510 Christianity and Society (5) Prerequisite: UFDN 3100. Focuses on the public dimension of Christian life. How ought Christians to engage their culture? How do we insure that such engagement is truly Christian? Addresses several social issues of special concern to the contemporary church, such as race relations, war and peace, and the separation of church and state. Attribute: Upper-Division.

THEO 3601 Multiethnic Ministry (3) Studies how the growing multiplicity of cultures affects the fabric of America, provides a theological framework for understanding ethnic differences, prepares students to minister among people different from themselves, and proposes a Christian response to multiculturalism. Attribute: Upper-Division.

THEO 3610 Living in Another Culture (3) Addresses practical issues of coping, bonding, lifestyle, family, religions, medical and economic development, evangelism, worship and team building in another culture. Required for summer ministry teams. Attribute: Upper-Division.

THEO 3630 Holistic Ministry (3) Assists students in the development of a practical theology of holistic ministry. Insights gained through on-site visits and classroom interviews with practitioners are balanced by theology, missology and social theory through analysis, research and critique. Attribute: Upper-Division.

THEO 3640 Cross-Cultural Communication (3) This course gives students tools for systematic analysis and theological critique of a culture and empathetic encounter with other peoples. Texts will include case studies and novels. The class will explore culturally contextualized community development, health care, agriculture, microbusiness, evangelism, leadership development, music, ethnotheology and skills for coping with culture stress. Attribute: Upper-Division.

THEO 3710 Human Development and Christian Faith (5) Studies the integration of theology and life span psychology in an attempt to understand the process of becoming and being Christian. Stage theories of development, human religious experience and metaphorical and narrative theology are addressed. Attribute: Upper-Division.

THEO 3715 Youth Cultures and Christian Faith (3) Examine the intersection of theology and culture as expressed among youth today. The course provides a theological critique aimed at a Christian perspective on youth culture, while also understanding how culture influences adolescent faith. Attitude: Upper-Division.

THEO 3730 Program Planning in Youth Ministry (3) Youth ministry, while relational, is comprised largely of logistical details. Both sides are important. This course addresses the often neglected side of logistics, planning, and programming, balanced by a theological motivation. Emphasis will be placed on planning with diversity and/or special needs which arise within a ministry. Attribute: Upper-Division.

THEO 3735 Youth Ministry: Mission and Evangelism (3) Examine mission and evangelistic work in youth ministry. The course focuses on outreach to youth and out reach with youth. Attribute: Upper-Division.

THEO 4000 From the Old Testament to the New (5) Prerequisite: UFDN 2000 or 3001 and one 3000-level Scripture course. The historical period between the Old and New Testaments proved vital to the formation of Judaism and the rise of Christianity. Students will study this extraordinary era to identify its pivotal historical events; to explore the innovative ways authors of important literary texts, such as the Dead Sea Scrolls, interpreted Israel's scriptures; and to evaluate the significance of early Jewish writings, such as those found in the Old Testament Apocrypha, for understanding the New Testament and the emergence of Christianity. Attribute: Upper-Division.

THEO 4290 Biblical Theology: Reading the Whole Bible as Scripture (5) Prerequisite: One 3000-level Scripture class. The Bible testifies in a variety of ways to what God did in Israel and in Christ to get the world back on track. Most people find this biblical testimony fascinating and compelling. In addition, those who regard the Bible as God's gift to the community of faith will find its message indispensable for their spiritual, moral and theological formation. Attributes: Upper-Division; and Writing Course.

THEO 4401 Representative Theologians (5) Prerequisite: UFDN 3000 or 3100. Considers the work of a major Christian theologian or group of theologians who share a distinctive theological approach. Provides models of the "craft" of theological activity and probes the distinctive emphases of various Christian traditions and theological movements. Examples of theologians considered: Augustine, Karl Barth, Dietrich Bonhoeffer, Jonathan Edwards, John Wesley, the Eastern Christian Fathers, liberation theologians and women theologians. May be repeated for credit two times. Attribute: Upper-Division.

THEO 4602 Issues in Latin American Christianity (3) This course will deal with contemporary issues facing Latin American Christians, with attention to history, theology, ethnicities, ministry among the poor and contextualized Christian witness. Protestants will be emphasized, but Catholics also will be included. Ministry issues will include leadership training and youth. Hispanics in the Pacific Northwest will be a focus. Field experience in Spanish-speaking churches in Metro Seattle will be part of the class. Offered alternate years. Attribute: Upper-Division.

THEO 4603 Issues in Asian/African Christianity (3) This course will deal with contemporary issues facing Asian and African Christians, with attention to history, theology, ethnicities, ministry among the poor and contextualized Christian witness. Field experience in African and Asian churches in Metro Seattle will be part of the class. Offered alternate years. Attribute: Upper-Division.

THEO 4610 World Religions (3) Primal religions: Islam, Buddhism, Hinduism, Confucianism, Taoism and Shinto are explored. Each faith is set in philosophical and cultural context. Applications for effective Christian witness are developed, showing appreciation for the faiths and contrasting with them. Common elements that Christianity shares with each faith are suggested. Apologetic bases for contrasting Christian faith with others are delineated. Attribute: Upper-Division.

THEO 4620 Interpreting the City (5) Prerequisites: THEO 2620 and THEO 3630, 3640 or 4610. This course studies the complexity of 21st-century urban culture, including systems such as health care, media, social services, politics, education, entertainment, business, as well as the influence of various ethnic, religious, and social groups and their values. Students will identify their own cultural biases and assumptions and develop a personal theology of urban ministry. This course is an interdisciplinary course utilizing theology and the social sciences. Attribute: Upper-Division.

THEO 4710 Current Issues in Educational Ministry (3) Current topics of interest that relate directly to educational ministry within and beyond the local church. Each year the topics change, but will be relevant to current educational ministry issues. May be repeated for credit up to 6 credits. Attributes: Upper-Division; and Writing Course. Class open to Christian theology and educational ministry majors.

THEO 4720 Leadership in Ministry (5) Prerequisite: THEO 2710. A study of leadership from four perspectives: theological issues in leadership; understanding oneself as a leader; leadership behavior and skills; and leadership in a team context. The course focuses on preparation for a leadership position in educational ministry. Attributes: Upper-Division; and Writing Course.

THEO 4731 Child Development and Educational Ministry (3) Prerequisites: THEO 2710, 3710. Studies age-group characteristics, needs and interests of children with special emphasis on program development and teaching techniques related to program ideas. Attribute: Upper-Division.

THEO 4899 Christian Theology Capstone (2–5) Prerequisites: UFDN 3000 or 3100. Incorporates the breadth of the theological disciplines and provides integration of themes from UFDN and UCOR Common Curriculum. Reflection on the integration of faith and learning toward vocational goals will also be included. Attribute: Upper-Division. Class open to seniors.

THEO 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Prerequisite: 25 credits in biblical literature, church history, theology, and/or Christian ethics and current enrollment as a theology major or minor, or approval of the dean of the School of Theology. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

THEO 4930 Practicum (1–5) Registration approval: Instructor. Provides selected majors experience as an undergraduate teaching or research assistant with a School of Theology member. May be repeated for credit up to 9 credits. Class open to biblical literature, biblical studies, Christian education, Christian ministries, Christian theology and cross-cultural ministries majors.

THEO 4940 Internship (1–15) Registration approval: Intern Learning Contract Req. Prerequisites: 25 credits in theology coursework at SPU; current enrollment as a major or minor in the School of Theology. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

THEO 4950 Special Topics (1–5) Provides a focused study of a specific theological topic chosen by the instructor. The study typically explores theological perspectives on a contemporary issue. See current *Online Time Schedule* for topic. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

Faculty

Miriam Adeney, Associate Professor of Global and Urban Ministry; B.A., Wheaton College, 1967; M.A., Syracuse University, 1969; Ph.D., Washington State University, 1980. At SPU since 1976. (Continuing part-time.)

Patricia Brown, Associate Professor of Education Ministries; B.S., Lock Haven University, 1980; M.Div., Lutheran Theological Seminary, 1993; Ph.D., in Pastoral Theology and Practical Spirituality, Graduate College of the Union University, 2002. At SPU since 2003.

Kerry Dearborn, Associate Professor of Theology; B.A., Whitman College, 1972; M.A., Fuller Theological Seminary, 1988; Ph.D., University of Aberdeen, U.K., 1994. At SPU since 1994.

Robert R. Drov Dahl, Professor of Christian Ministries and Education; B.A., Seattle Pacific College, 1971; M.A., Wheaton Graduate School, 1974; Ph.D., Michigan State University, 1980. At SPU since 1978.

Colin Greene, Dean of the School of Theology; Professor of Systematic Theology; B.A., Queen's University, 1973; M.A., Cambridge University, 1975; Ph.D., University of Nottingham, 1982. At SPU since 2003

Sara Koenig, Instructor of Biblical Studies; B.A., Seattle Pacific University, 1995; M.Div., Princeton Theological Seminary, 1999; At SPU since 2003.

Douglas Koskela, Instructor in Theology; B.A., Seattle Pacific University, 1995; M.Div., Duke Divinity School, 1998. At SPU since 2001.

Eugene E. Lemcio, Professor of New Testament; B.S., Houghton College, 1964; M.Div., Asbury Theological Seminary, 1968; Ph.D., Trinity College, Cambridge University, 1975. At SPU since 1974.

John R. Levison, Professor of New Testament; B.A., Wheaton College, 1978; B.A., Cambridge University, 1983; M.A., Cambridge University, 1983; Ph.D., Duke University, 1985. At SPU since 2001.

Randy Maddox, Paul T. Walls Professor of Wesleyan Theology; B.A., Northwest Nazarene College, 1975; M. Div., Nazarene Theological Seminary, 1978; Ph.D., Emory University, 1982. At SPU since 1998.

Dave Nienhuis, Instructor in Theology; B.A., Seattle Pacific University, 1990; M.Div., Duke Divinity School, 1996. At SPU since 1999.

Delia Nüesch-Oliver, Associate Professor of Global and Urban Ministry; B.S., Mercy College, 1983; M.A., Long Island University, 1984; Ph.D., Syracuse University, 1997. At SPU since 1998.

Priscilla Pope-Levison, Professor of Theology; Assistant Director of Women's Studies. B.Mus., DePauw University, 1980; M.Div., Duke Divinity School, 1983; Ph.D., University of St. Andrews, 1989. At SPU since 2001.

Edward Smith, Visiting Professor of Educational Ministries; B.A., Taylor University, 1968; M.A., Gordon-Conwell Theological Seminary, 1972; Ed. D., Boston University, 1978. At SPU 1976–1992 and since 2000.

Frank A. Spina, Professor of Old Testament; B.A., Greenville College, 1965; M.Div., Asbury Theological Seminary, 1968; M.A., University of Michigan, 1970; Ph.D., 1977. At SPU since 1973.

Richard Steele, Professor of Moral and Historical Theology; B.A., Haverford College, 1974; M.Div., Yale Divinity School, 1978; Ph.D., Marquette University, 1990. At SPU since 1994.

Robert W. Wall, Professor of the Christian Scriptures; B.A., Valparaiso University, 1969; Th.M., Dallas Theological Seminary, 1973; Th.D., 1979. Additional graduate study at Perkins School of Theology, Southern Methodist University. At SPU since 1978.

Women's Studies

Bruce D. Congdon, *Dean of the College of Arts and Sciences*

Jennifer Maier, *Director, English Department*

As an institution that centers its mission in the historical Christian faith, Seattle Pacific University affirms that women are created in God's image, redeemed by Christ and called to lives of scholarship, service and leadership. Prompted by that affirmation, SPU offers an interdisciplinary women's studies minor and welcomes both male and female students to pursue it. The primary goals of the women's studies minor are (1) to establish in the campus community an awareness of the overlooked values, neglected contributions and marginalized perspectives of women; (2) to assure that students have the time and opportunity to explore women's issues fully in light of the Christian faith; and (3) to provide resources for incorporating women's issues and contributions into other pertinent disciplinary courses.

The women's studies minor provides a course of study that stretches across disciplines, encouraging interdisciplinary thought and scholarship. It teaches skills of critical analysis, problem solving and value reasoning. Because of its adaptable course requirements and final project, the minor can be designed in such a way as to complement majors in areas such as sociology, psychology, religion, history, communication, English, foreign languages, political science, family and consumer sciences, and business.

Admission to the Women's Studies Minor

Applicants for a minor in women's studies must have (1) sophomore standing; (2) a cumulative GPA of 2.5 or higher in all college work applicable to the B.A.; and (3) a grade of at least a C- in WST/SOC 2350 Introduction to Women's Studies. Application can be made at either the English or the sociology offices.

Requirements for the Women's Studies Minor

The women's studies minor consists of at least 30 credits, of which 15 must be upper-division. Course requirements include WST 2350 Introduction to Women's Studies, at least one course from each of four core areas and a final independent study that consists of an integrative paper, project or internship.

Program Requirements	
WST 2350 Introduction to Women's Studies	5
WST 4940 Internship <i>or</i> 4960 Independent Project	3–5
Institutions and Society	
Select at least one course from the following:	
ANT 2250 Cultural Anthropology (5)	
COM 4607 The Rhetoric of Dissent (5)	
FCS/SOC 2252 Marriage and the Family (5)	
FCS 3875 Appearance and Human Behavior (3)	
SOC 3215 Social Inequality (5)	
SOC 3270 Socialization (5)	
SOC 4210 Women in the Third World (5)	
SOC 4252 Sociology of Family (5)	
SOC 4910 Gender and Family Seminar (3)	3–5
Literature and the Arts	
Select at least one course from the following:	
ENG 2234 Literature by Women (5)	
ENG 3334 American Ethnic Literature (5)	
ENG 3338 Contemporary Fiction (5)	
ENG 3351 Victorian Poetry and Fiction (5)	
ENG 4334 American Ethnic Literature: Special Topics (5)	
EUR 3950 German Women Authors (5)	
FCS 3870 History of Costume (5)	
FRE 3205 Topics in French Literature: Heroines (5)	
SPN 3105 Literature Survey: Golden Age (3)	5
Psychological and Human Development	
Select at least one course from the following:	
HSC 3035 Human Sexuality (5)	
FCS 3320 Maternal and Child Nutrition (3)	
FCS 3240 Individual and Family Development (5)	
PSY 4485 Psychobiology of Women (3)	3–5
Religion and Culture	
Select at least one course from the following:	
HIS 3405/THEO 3305 Western Spirituality: Heretics, Mystics and Monks (5)	
THEO 3303/HIS 3406 Christianity in America (5)	
THEO 3631 Women in Christianity (5)	
THEO 4401 Representative Theologians (5)	
POL/HIS 3345 Modern Russian (5)	3–5
Electives from any courses listed above as needed	3–5
Total	30

Note: Not all courses are offered every year. Check the Online Time Schedule for current offerings. Information concerning additional courses that will fulfill requirements for the minor is available from the women's studies' director.

Women's Studies Courses

WST 2350 Introduction to Women's Studies (5) This course looks at women's autobiographies, introduces theoretical approaches to gender and offers an interdisciplinary survey of women's issues relating to such areas as the church, spirituality, economics, health, vocation, social and political activity, and literary and artistic expression.

WST 3000/HIS 3000 Issues in Women's Health (3) Examines selected issues in women's health care in the context of women's lived experiences, including women's health care issues within the existing health care system, ways to reclaim and reshape gynocentric care for themselves, and sociopolitical activities that facilitate health care for all women. Global health care will be addressed with SPU mission to engage the culture. Course equivalent: HSC 3000. Attribute: Upper-Division.

WST 4940 Internship (1–5) Registration approval: Intern Learning Contract Req. A final, independent project in women's studies that consists of an internship involving written reflection and assessment. Attribute: Upper-Division.

WST 4960 Independent Project (1–5) Registration approval: Instructor. A final, independent project in women's studies that consists of an individual research project, investigating some topic in depth and culminating in an integrative paper that demonstrates interdisciplinary scholarship and independent thought. Attribute: Upper-Division.