

WASHINGTON STATE UNIVERSITY COOPERATIVELY OFFERED COURSES

2024-2025 WSU Cooperative Courses Open to U of I students

Students may search for the cooperative courses that are offered for any particular semester by going to <http://schedules.wsu.edu/Coop/> and choosing the appropriate fall or spring semester.

Subject	Number	Course Title	Credits
AFS	590	Sociology of Agriculture and Food Systems	3
AGTM	305	Agricultural Precision Systems	3
AGTM	310	Small Engine Maintenance and Repair	3
AGTM	315	Irrigation Systems and Water Management	3
ANIM SCI	101	Introductory Animal Science	3
ANIM SCI	172	Dairy Cattle Management Laboratory	1
ANIM SCI	174	Beef Cow Calf Management Laboratory	1
ANIM SCI	178	Swine Management Laboratory	1
ANIM SCI	260	Live Animal and Carcass Evaluation	3
ANIM SCI	274	Beef Feedlot Systems	2
ANIM SCI	285	Rights and Welfare of Animals	3
ANIM SCI	313	Feeds and Feeding	4
ANIM SCI	314	Principles of Nutrition	3
ANIM SCI	330	Animal Genetics	3
ANIM SCI	345	Animal Growth and Development	3
ANIM SCI	346	Introduction to Skeletal Muscle Physiology	3

ANIM SCI	350	Physiology of Reproduction	3
ANIM SCI	351	Physiology of Reproduction Laboratory	1
ANIM SCI	360	Meat Science	3
ANIM SCI	405	Ciders and Other Fermented Foods	3
ANIM SCI	451	Endocrine Physiology	3
ANIM SCI	454	Artificial Insemination and Pregnancy Detection	2
ANIM SCI	460	Advanced Meat Science	3
ANIM SCI	464	Companion Animal Management	3
ANIM SCI	468	Applied Physiology of Cultured Fish	3
ANIM SCI	472	Dairy Cattle Management	3
ANIM SCI	473	Advanced Dairy Management	3
ANIM SCI	478	Swine Production	3
ANIM SCI	485	Applied Animal Behavior	3
ANIM SCI	488	Perspectives in Biotechnology	3
ANIM SCI	503	Advanced Animal Biology and Genomics	3
ANIM SCI	513	Mineral and Vitamin Metabolism	4
ANIM SCI	545	Statistical Genomics	3
ANIM SCI	551	Endocrine Physiology	3
ANIM SCI	558	Molecular and Cellular Reproduction	3
ANIM SCI	588	Perspectives in Biotechnology	3
ANIM SCI	598	Advanced Topics in Animal Sciences	1-2
ANTH	450	Descriptive Linguistics	3
ANTH	463	Introduction to Anthropological Demography and Epidemiology	3
ANTH	465	Human Evolution	3

ANTH	535	Cultural Resource Management	3	BIOLOGY	579	Mathematical Modeling in the Biological and Health Sciences	3
ANTH	550	Descriptive Linguistics	3	BSYSE	551	Advanced Biological Systems Engineering Topics	1-4
ANTH	563	Introduction to Anthropological Demography and Epidemiology	3	BSYSE	552	Advanced Biological Systems Engineering Topics	1-4
ANTH	565	Human Evolution	3	BSYSE	554	Aquatic System Restoration	3
ANTH	573	Zooarchaeology	4	BSYSE	555	Natural Treatment Systems	3
ARCH	490	Seminar in Architectural Design	1-4	BSYSE	560	Aquatic Chemistry	3
ASIA	111	Asian Film	3	BSYSE	582	Food Process Engineering I	3
ASIA	121	Modern Chinese Culture	3	BSYSE	596	Biomass Thermo-Chemical Conversion	3
ASIA	131	Masterpieces of Asian Literature	3	CE	211	Statics	3
ASIA	320	Issues in East Asian Ethics	3	CE	215	Mechanics of Materials	3
ASIA	330	The Art of War	3	CE	322	Transportation Engineering	3
ASTRONOM	526	Galaxies and Radiative Processes	3	CE	351	Water Resources Engineering	3
ASTRONOM	581	Advanced Topics in Astronomy	3	CE	400	Highway Materials Engineering	3
BIOLOGY	324	Comparative Vertebrate Anatomy	4	CE	401	Climate Change Science and Engineering	3
BIOLOGY	416	Fisheries Management	4	CE	402	Applied Meteorology	3
BIOLOGY	469	Ecosystem Ecology and Global Change	3	CE	403	Air Quality Management	3
BIOLOGY	494	Seminar in Mathematical Biology	1	CE	405	Decision-Making for Sustainable and Resilient Civil Infrastructure	3
BIOLOGY	513	Plant Metabolism	3	CE	414	Structural Design Loads and Load Paths	3
BIOLOGY	514	Fish Genetics	2	CE	415	Environmental Measures	3
BIOLOGY	519	Introduction to Population Genetics	3	CE	416	Hydraulic Engineering Laboratory	3
BIOLOGY	540	Stable Isotope Theory and Methods	3	CE	418	Hazardous Containment Pathway Analysis	3-4
BIOLOGY	545	Statistical Genomics	3				
BIOLOGY	548	Evolutionary Ecology of Populations	3				
BIOLOGY	563	Field Ecology	2				
BIOLOGY	566	Mathematical Genetics	3				
BIOLOGY	569	Ecosystem Ecology and Global Change	3				

Ce	419	Hazardous Waste Treatment	3	CE	509	Numerical Modeling of Geomaterials	3
CE	425	Soil and Site Improvement	3	CE	510	Advanced Geomaterial Characterization	3
CE	430	Analysis of Indeterminate Structures	3	CE	511	Advanced Topics in Geotechnical Engineering	2-4
CE	431	Structural Steel Design	3	CE	512	Dynamics of Structures	3
CE	433	Reinforced Concrete Design	3	CE	514	Advanced Mechanics of Materials	3
CE	434	Masonry Design	3	CE	515	Environmental Measures	3
CE	435	Foundations	3	CE	517	Mechanics of Sediment Transport	3
CE	436	Design of Timber Structures	3	CE	518	Hazardous Containment Pathway Analysis	3-4
CE	442	Water and Wastewater Treatment Design	3	CE	519	Hazardous Waste Treatment	3
CE	450	Design and Simulation of Water Resource Systems	3	CE	524	Geotechnical Earthquake Engineering	3
CE	451	Open Channel Flow	3	CE	525	Soil and Site Improvement	3
CE	460	Advanced Hydrology	3	CE	527	Engineering Properties of Soils	3
CE	472	Durable and Sustainable Pavements and Bridges	3	CE	530	Advanced Design of Steel Structures	3
CE	473	Pavement Design	3	CE	531	Probability of Statistical Models in Engineering	3
CE	475	Groundwater	3	CE	532	Finite Elements	3
CE	476	Pavement Evaluation and Rehabilitation	3	CE	533	Advanced Reinforced Concrete Design	3
CE	501	Advanced Topics in Transportation Engineering	2-4	CE	534	Prestressed Concrete and Bridge Design	3
CE	502	Applied Meteorology	3	CE	535	Advanced Finite Elements	3
CE	503	Air Quality Management	3	CE	537	Advanced Topics in Structural Engineering	3
CE	504	Sustainability Engineering I	3	CE	538	Earthquake Engineering	3
CE	505	Decision-Making for Sustainable and Resilient Civil Infrastructure	3	CE	539	Advanced Design of Timber Structures	3
CE	506	Theory and Measurement of Turbulent Fluxes	3				
CE	507	Sustainability: Life Cycle Assessment	3				
CE	508	Concrete Durability	3				

CE	540	Instrumental Analysis of Environmental Contaminants	3	CE	591	Aerosol Dynamics and Chemistry	3
CE	541	Physicochemical Water and Wastewater Treatment	3	CE	593	Polymer Materials and Engineering	3
CE	542	Biochemical Wastewater Treatment	3	CE	594	Natural Fibers	3
CE	543	Advanced Topics in Environmental Engineering Practice	1-4	CE	595	Polymer and Composite Processing	3
CE	550	Hydroclimatology	3	CE	596	Engineered Wood Composites	3
CE	551	Open Channel Flow	3	CE	597	Polymers and Surfaces for Adhesion	3
CE	552	Advanced Topics in Hydraulic Engineering	1-3	CE	598	Natural Fiber Polymer Composites	3
CE	555	Natural Treatment Systems	3	CHE	510	Transport Processes	3
CE	560	Advanced Hydrology	3	CHE	527	Macroscopic Thermodynamics	3
CE	562	Advanced Subsurface Flow and Transport	3	CHE	529	Chemical Engineering Kinetics	3
CE	564	Numerical Methods	3	CHE	541	Chemical Engineering Analysis	3
CE	567	Properties of Highway Pavement Materials	3	CHEM	503	Advanced Topics in Inorganic Chemistry	1-3
CE	572	Advanced Pavement Design and Analysis	3	CHEM	532	Advanced Physical Chemistry II	3
CE	583	Aquatic Chemistry	3	CHEM	537	Advanced Topics in Physical Chemistry	1-3
CE	584	Environmental Microbiology	3	CHEM	542	Advanced Organic Chemistry	3
CE	585	Aquatic System Restoration	3	CHEM	544	Advanced Topics in Organic Chemistry	1-3
CE	586	Bioremediation of Hazardous Waste	3	CHEM	545	Synthetic Organic Chemistry	3
CE	588	Atmospheric Turbulence and Air Pollution Modeling	3	CHINESE	101	First Semester	4
CE	589	Atmospheric Chemical and Physical Processes	3	CHINESE	102	Second Semester	4
CE	590	Spectroscopy and Radiative Transfer of the Atmosphere	3	CHINESE	111	Asian Film	3
				CHINESE	121	Modern Chinese Culture	3
				CHINESE	131	Masterpieces of Asian Literature	3
				CHINESE	203	Third Semester	4
				CHINESE	204	Fourth Semester	4
				CHINESE	305	Intermediate Conversation II	1

CHINESE	306	Intermediate Reading and Translation	3	CPT S	566	Embedded Systems	3
CHINESE	308	Intermediate Grammar and Writing	3	CRM J	101	Introduction to the Administration of Criminal Justice	3
Chinese	320	Issues in East Asian Ethics	3	CRM J	270	Introduction to Policing	3
CHINESE	330	The Art of War	3	CRM J	280	Introduction to American Criminal Courts	3
CHINESE	361	Advanced Chinese for the Professions	3	CRM J	320	Criminal Law	3
CHINESE	363	Introduction to Literary Chinese	3	CRM J	330	Crime Control Policies	3
CHINESE	364	Media Chinese	3	CRM J	365	Juvenile Justice and Corrections	3
CHINESE	405	Advanced Conversation	1	CRM J	370	Policing and Society	3
CHINESE	450	Seminar in Chinese Studies - Themes	3	CRM J	400	Special Topics in Criminal Justice and Criminology	3
COUN PSY	511	Theories, Research, and Techniques in Counseling Psychology I	3	CRM J	405	Comparative Criminal Justice Systems	3
COUN PSY	512	Theories, Research, and Techniques in Counseling Psychology II	3	CRM J	420	Criminal Procedure	3
COUN PSY	515	Ethics and Professional Problems in Counseling Psychology	3	CRM J	424	Community Corrections	3
COUN PSY	518	Theoretical Foundations of Group Counseling	3	CRM J	491	Special Topics: Study Abroad	3
COUN PSY	541	Clinical and Experimental Hypnosis Seminar	3	CRM J	505	Comparative Criminal Justice	3
CPT S	442	Computer Graphics	3	CRM J	530	Criminal Justice: Process and Institutions	3
CPT S	464	Distributed Systems Concepts and Programming	3	CRM J	540	Seminar in Evaluation Research	3
CPT S	466	Embedded Systems	3	CRM J	541	Seminar in Corrections	3
CPT S	531	Advanced Matrix Computations	3	CRM J	570	The Police and Society	3
CPT S	542	Computer Graphics	3	CRM J	572	Seminar in Comparative Policing	3
CPT S	564	Distributed Systems Concepts and Programming	3	CRM J	591	Seminar in the Administration of Criminal Justice	3
				CROP SCI	301	Turfgrass Management	3
				CROP SCI	360	World Agricultural Systems	3
				CROP SCI	401	Turfgrass Science	3

CROP SCI	403	Advanced Cropping Systems	3	E MIC	587	Special Topics in Electron Microscopy	1
CROP SCI	445	Planting Breeding	4	ECONS	324	The Economics of Health Care	3
CROP SCI	503	Advanced Cropping Systems	3	ECONS	424	Strategy and Game Theory	3
CROP SCI	504	Plant Transmission Genetics	3	ECONS	523	Big Data Management and Processing for Economics	3
CROP SCI	505	Advanced Classical and Molecular Breeding	3	ECONS	524	Applied Machine Learning for Economics	3
CROP SCI	545	Statistical Genomics	3	ECONS	525	Master's Econometrics	3
CROP SCI	555	Epigenetics in Plants	2	ECONS	526	Master's Microeconomic Analysis I	3
E E	451	Digital Communication Systems	3	ECONS	527	Master's Microeconomic Analysis II	3
E E	486	Power Electronics	3	ECONS	528	Master's Macroeconomics Analysis	3
E E	501	Linear System Theory	3	ECONS	529	Research Methods	1-2
E E	502	Linear Multivariable Control	3	ECONS	533	International Trade and Policy	3
E E	504	Modern Optics	3	ECONS	534	Production Economics	3
E E	505	Nonlinear System Theory	3	ECONS	701	Master's Independent Capstone Project and/or Examination	1-6
E E	507	Random Processes in Engineering	3	ED AD	580	School Organization and Administration	3
E E	508	Estimation Theory for Signal Processing, Communications, and Control	3	ED AD	585	Financial Management in Education	3
E E	511	Protection of Power Systems II	3	ED PSYCH	508	Educational Statistics	3
E E	518	Advanced Electromagnetic Theory I	3	ENGLISH	443	Phonology	3
E E	527	Antenna Theory and Design	3	ENGLISH	543	Phonology	3
E E	530	Digital Signal Processing II	3	ENGLISH	546	Topics in Teaching English as a Second Language	3
E E	551	Data Communication Systems	3	ENGLISH	580	Seminar in Medieval Literature	3
E E	581	Advanced Topics in Power Systems	2-3	ENTOM	150	Insects, Science, and World Cultures	3
E E	582	Advanced Topics	1-3	ENTOM	361	Honey Bee Biology	3
E MIC	586	Special Projects in Electron Microscopy	2-3				

ENTOM	401	Biology and Society, Past and Present	3	FS	422	Sensory Evaluation of Food and Wine	3
ENTOM	490	Special Topics in Entomology	1-4	FS	423	Sensory Evaluation of Food and Wine Lab	1
ENTOM	539	Insect Identification	4	FS	429	Dairy Products	3
ENTOM	590	Special Topics in Entomology	1-4	FS	430	Dairy Processing Lab	1
FINE ART	381	Beginning Photography	3	FS	432	Food Engineering	3
FINE ART	382	Intermediate Photography	3	FS	433	Food Engineering Lab	1
FINE ART	555	Critical Practices	9	FS	436	Principles of Sustainability	3
FRENCH	410	French Film in Translation	3	FS	460	Food Chemistry	3
FS	110	Introduction to Food Science	3	FS	461	Food Chemistry Laboratory	1
FS	201	Science on Your Plate	3	FS	462	Food Analysis	3
FS	220	Food Safety and Quality	3	FS	464	Food Toxicology	3
FS	301	Food Mycology	3	FS	465	Wine Microbiology and Processing	3
FS	302	Food Processing Lab	1	FS	466	Wine Microbiology and Processing Laboratory	1
FS	303	Food Processing	3	FS	470	Advanced Food Technology	3
FS	304	Cereal Chemistry and Processing	3	FS	475	Statistical Quality Management of Food Products	3
FS	329	Dairy Foods Composition and Quality	4	FS	489	Food Product Development	3
FS	350	Instrumental and Sensory Analysis of Food	3	FS	495	Internship in Food Science	2
FS	401	Topics in Food Science	1-3	FS	496	Internship in a Winery	2
FS	402	Industrial Fermentations	3	FS	499	Special Problems	1-4
FS	405	Ciders and Other Fermented Foods	3	FS	501	Topics in Food Science	1-3
FS	406	Evaluation of Dairy Products I	1	FS	509	Principles of Environmental Toxicology	3
FS	407	Evaluation of Dairy Products Lab	1	FS	510	Functional Foods and Health	3
FS	409	Principles of Environmental Toxicology	3	FS	511	Food Lipids	3
FS	416	Food Microbiology	3	FS	512	Foot Proteins and Enzymes	2
FS	417	Food Microbiology Laboratory	2	FS	513	Food Carbohydrates	3
FS	418	Oral Seminar in Food Science	1	FS	514	Starch Chemistry	3
				FS	515	Food Fermentations - Microbiology and Technology	3
				FS	516	Food Laws	2

FS	517	Scientific Writing	2	H D	580	Families, Community, and Public Policy	3
FS	518	Seminar Oral	1	HBM	131	Introduction to Hospitality Business Management	3
FS	522	Sensory Evaluation of Food and Wine	3	HBM	235	Travel, Society and Business	3
FS	529	Dairy Products	3	HBM	381	Hospitality Leadership and Organizational Behavior	3
FS	530	Dairy Processing Lab	1	HISTORY	308	North American Indian History, Precontact to Present	3
FS	531	Advanced Food Safety and Quality	3	HISTORY	395	Topics in History	3
FS	532	Advanced Food Microbiology	3	HISTORY	427	Public History: Theory and Methodology	3
FS	536	Principles of Sustainability	3	HISTORY	525	Seminar in American History	3
FS	538	Physical Properties of Foods	2	HISTORY	527	Public History: Theory and Methodology	3
FS	564	Food Toxicology	3	HISTORY	569	Field Course in Modern European History	3
FS	565	Wine Microbiology and Processing	3	HORT	310	Pomology	3
FS	570	Advanced Food Technology	3	HORT	313	Viticulture	3
FS	583	Advances in Cereal Sciences and Technology	2	HORT	320	Olericulture	3
FOR LANG	100	Studies in Foreign Languages I	1-4	HORT	321	Olericulture Laboratory	1
FOR LANG	200	Studies in Foreign Languages II	1-4	HORT	332	Interior Plantscaping	3
FOR LANG	300	Studies in Foreign Languages	1-4	HORT	357	Greenhouse Management and Crop Production	3
FOR LANG	450	Descriptive Linguistics	3	HORT	358	Greenhouse Management and Crop Production Lab	1
FRENCH	310	French and Francophone Film	3	HORT	403	Special Topics	1-4
GERMAN	308	Intermediate Grammar and Writing	3	HORT	413	Advanced Viticulture	3
GERMAN	320	German Culture	3	HORT	416	Advanced Horticultural Crop Physiology	3
GERMAN	450	Seminar in German Studies - Themes	3	HORT	418	Post-Harvest Biology and Technology	3
GERMAN	451	Seminar in German Studies - Authors	3	HORT	445	Plant Breeding	4
H D	514	Research Methods in Human Development II	3	HORT	513	Advanced Viticulture	3

HORT	516	Advanced Horticultural Crop Physiology	3	MATH	506	Commutative Algebra	3
HORT	518	Post-Harvest Biology and Technology	3	MATH	507	Advanced Theory of Numbers	3
HORT	545	Statistical Genomics	3	MATH	508	Advanced Mathematical Methods for Physics and Engineering	3
HUMANITY	131	Masterpieces in Asian Literature	3	MATH	511	Advanced Linear Algebra	3
HUMANITY	320	Issues in East Asian Ethics	3	MATH	512	Ordinary Differential Equations	3
ITALIAN	101	First Semester	4	MATH	516	Numerical Simulations for Probabilistic Models	3
ITALIAN	102	Second Semester	4	MATH	525	General Topology	3
ITALIAN	105	Elementary Conversation	1	MATH	531	Intersections of Culture and Mathematics	3
ITALIAN	205	Intermediate Conversation	1	MATH	532	Advanced Mathematical Thinking	3
JAPANESE	320	Issues in East Asian Ethics	3	MATH	534	Theories of Learning in Mathematics	3
LND ARCH	480	Professional Practice	2	MATH	535	Research Paradigms in Mathematics Education	3
LND ARCH	520	The Northern Rocky Mountain Regional Landscape	4	MATH	536	Statistical Computing	3
LND ARCH	521	Cultural Interpretation of the Regional Landscape	4	MATH	540	Applied Mathematics I: PDEs	3
MATH	416	Numerical Simulations for Probabilistic Models	3	MATH	541	Applied Mathematics II: Complex Variables	3
MATH	431	Intersections of Culture and Mathematics	3	MATH	543	Stable Numerical Methods Using Orthogonality	3
MATH	440	Applied Mathematics I: PDEs	3	MATH	544	Advanced Matrix Computations	3
MATH	441	Applied Mathematics II: Complex Variables	3	MATH	545	Numerical Analysis of Parabolic and Hyperbolic PDEs	3
MATH	453	Graph Theory	3	MATH	546	Numerical Analysis of Elliptic PDEs	3
MATH	466	Optimization in Networks	3	MATH	554	Advanced Graph Theory	3
MATH	486	Mathematical Methods in Natural Sciences	3	MATH	555	Topics in Combinatorics	3
MATH	494	Seminar in Mathematical Biology	1				
MATH	503	Complex Analysis	3				
MATH	504	Measure and Integration	3				
MATH	505	Abstract Algebra	3				

MATH	560	Partial Differential Equations I	3	MATSE	516	Phase Transformations	3
MATH	561	Partial Differential Equations II	3	MATSE	521	Statistics of Microstructures	3
MATH	563	Mathematical Genetics	3	MBIOS	303	Introductory Biochemistry	4
MATH	564	Convex and Nonlinear Optimization	3	MBIOS	440	Immunology	3
MATH	565	Nonsmooth Analysis and Optimization with Applications	3	MBIOS	442	General Virology	3
MATH	566	Optimization in Networks	3	MBIOS	446	Epidemiology	3
MATH	567	Integer and Combinatorial Optimization	3	MBIOS	528	Molecular and Cellular Reproduction	3
MATH	568	Statistical Theory I	3	MBIOS	540	Immunology	3
MATH	569	Statistical Theory II	3	MBIOS	542	General Virology	3
MATH	570	Continuum Mechanics	3	MBIOS	548	Selected Topics in Immunology and Virology	1
MATH	571	Mathematical Foundations of Continuum Mechanics II	3	MBIOS	582	Seminar in Reproductive Biology	1
MATH	574	Topics in Optimization	3	ME	212	Dynamics	3
MATH	575	Asset Pricing in Financial Engineering	3	ME	301	Fundamentals of Thermodynamics	3
MATH	576	Quantitative Risk Management	3	ME	303	Fluid Mechanics	3
MATH	579	Mathematical Modeling in the Biological and Health Sciences	3	ME	304	Heat Transfer	3
MATH	581	Topics in Mathematics	1-3	ME	313	Engineering Analysis	3
MATH	583	Topics in Applied Mathematics	1-3	ME	419	Air Conditioning	3
MATH	585	Topics in Mathematical Biology	1-3	ME	449	Mechanical Vibration	3
MATH	586	Mathematical Methods in Natural Sciences	3	ME	474	Design for Manufacture and Modern Manufacturing Strategies	3
MATSE	505	Advanced Materials Science	3	ME	481	Control Systems	3
MATSE	513	Theory of Plasticity and its Physical Foundations	3	ME	501	Continuum Mechanics	3
				ME	502	Sustainability Assessment for Engineering Design	3
				ME	503	Systems Design Approaches for Sustainability	3
				ME	507	Additive Manufacturing	3
				ME	509	MEMS Engineering	3
				ME	513	Theory of Plasticity and its Physical Foundations	3
				ME	514	Thermodynamics of Solids	3
				ME	515	Convective Heat Transfer	3

ME	516	Conduction and Radiation Heat Transfer	3	MSE	514	Thermodynamics of Solids	3
ME	517	Thin Films	3	MSE	515	Electronic Properties of Materials	3
ME	520	Multiscale Modeling in Thermomechanics of Materials	3	MSE	516	Phase Transformations	3
ME	521	Fundamentals of Fluids I	3	MSE	517	Thin Films	3
ME	526	Statistical Thermodynamics	3	MSE	520	Multiscale Modeling in Thermomechanics of Materials	3
ME	527	Macroscopic Thermodynamics	3	MSE	521	Statistics of Microstructures	3
ME	530	Elasticity	3	MSE	523	Ceramics Processing	3
ME	532	Finite Elements	3	MSE	530	Elasticity	3
ME	534	Mechanics of Composite Materials	3	MSE	534	Mechanics of Composite Materials	3
ME	537	Fracture Mechanics and Mechanisms	3	MSE	537	Fracture Mechanics and Mechanisms	3
ME	540	Advanced Dynamics of Physical Systems	3	MSE	543	Polymer Materials and Engineering	3
ME	556	Numerical Modeling in Fluid Mechanics	3	MSE	544	Natural Fibers	3
ME	565	Nuclear Reactor Engineering	3	MSE	545	Polymer and Composite Processing	3
ME	579	Advanced Topics in Mechanical Engineering	1-3	MSE	546	Engineered Wood Composites	3
ME	581	Control Systems	3	MSE	547	Polymers and Surfaces for Adhesion	3
ME	598	Seminar	1	MSE	548	Natural Fiber Polymer Composites	3
MGTOP	516	Time Series	3	MSE	592	Transmission of Electron Microscopy	3
MSE	402	Polymeric Materials	3	NEUROSCI	520	Fundamentals of Neuroscience	4
MSE	503	Advanced Topics in Materials Engineering	1-3	NEUROSCI	540	Special Topics in Integrative Neuroscience	1-3
MSE	505	Advanced Materials Science	3	NEUROSCI	541	Special Topics in Cellular and Molecular Neuroscience	1-3
MSE	507	Additive Manufacturing	3	NEUROSCI	542	Special Topics in Interdisciplinary Neuroscience	1-3
MSE	508	Polymer Nanocomposites and Functionalities	3	NEUROSCI	543	Special Topics in Behavioral/Clinical Neuroscience	1-3
MSE	509	MEMS Engineering	3				
MSE	513	Theory of Plasticity and its Physical Foundations	3				

PHIL	207	Philosophy of Religion	3	PHIL	532	Seminar in Business Ethics	3
PHIL	320	History of Ancient and Medieval Philosophy	3	PHIL	535	Advanced Biomedical Ethics	3
PHIL	321	History of Modern Philosophy	3	PHIL	543	Philosophy of Language	3
PHIL	322	Nineteenth-Century Philosophy	3	PHIL	570	Philosophy of Law	3
PHIL	350	Philosophy of Science	3	PHYSICS	450	Introduction to Quantum Mechanics	3
PHIL	401	Advanced Formal Logic	3	PHYSICS	463	Introduction to Solid State and Materials Physics	3
PHIL	407	Seminar in Philosophy of Religion	3	PHYSICS	521	Classical Mechanics I	3
PHIL	420	Contemporary Continental Philosophy	3	PHYSICS	533	Thermal and Statistical Physics I	3
PHIL	421	Kant	3	PHYSICS	534	Thermal and Statistical Physics II	3
PHIL	431	Aesthetics and Philosophy of Art	3	PHYSICS	541	Electromagnetic Theory	3
PHIL	442	Philosophy of Mind	3	PHYSICS	542	Electrodynamics	3
PHIL	443	Philosophy of Language	3	PHYSICS	550	Quantum Theory I	3
PHIL	446	Metaphysics	3	PHYSICS	551	Quantum Theory II	3
PHIL	447	Theory of Knowledge	3	PHYSICS	552	Quantum Theory III	3
PHIL	460	Ethical Theory	3	PHYSICS	561	Atomic and Molecular Physics	3
PHIL	462	Women and Ethics	3	PHYSICS	563	Physics of the Solid State	3
PHIL	470	Philosophy of Law	3	PHYSICS	571	Methods of Theoretical Physics	3
PHIL	472	Social and Political Philosophy	3	PHYSICS	581	Advanced Topics in Physics	3
PHIL	501	Advanced Formal Logic	3	PL P	301	Food Mycology	3
PHIL	504	Special Topics in Philosophy	3	PL P	403	Advanced Cropping Systems	3
PHIL	507	Seminar in Philosophy of Religion	3	PL P	503	Advanced Cropping Systems	3
PHIL	510	Seminar in the History of Philosophy	3	PL P	511	Viruses and Virus Diseases of Plants	4
PHIL	520	Seminar in Ethical Theory	3	PL P	513	Plant Nematology	3
PHIL	522	Seminar in Metaphysics	3	PL P	514	Phytopathology	3
PHIL	524	Seminar in Epistemology	3	PL P	521	General Mycology	3
PHIL	530	Bioethics	2				

PL P	526	Advanced Fungal Biology	4	SOC	356	Growing Up and Growing Older	3
PL P	535	Molecular Genetics of Plant and Pathogen Interactions	3	SOC	367	Juvenile Justice and Corrections	3
PL P	545	Statistical Genomics	3	SOC	517	Seminar in Contemporary Sociological Theory	3
PL P	551	Epidemiology and Management of Plant Diseases	3	SOC	523	Qualitative Methods Practicum	3
PL P	570	Techniques in Plant Pathology	3	SOC	525	Practicum in Survey Research	3
POL S	405	Comparative Criminal Justice Systems	3	SOC	553	Social Organization and the Family	3
POL S	445	Public Personnel Administration	3	SOE	304	Ecosystem Field Measurements	4
POL S	503	Research Methods in Political Science and Criminal Justice	3	SOE	310	Modeling the Environment	4
POL S	516	Seminar on Law, Courts, and Judicial Politics	3	SOE	318	Wildlife Genetics	3
POL S	530	American Foreign Policy: Theories and Applications	3	SOE	408	Field Geology	3
POL S	531	Seminar in International Security	3	SOE	431	Wildlife Nutrition	3
POL S	534	Seminar in Comparative Politics	3	SOE	444	Environmental Assessment	4
POL S	541	Seminar in Evaluation Research	3	SOE	445	Hazardous Waste Management	3
POL S	542	Proseminar in Administration, Justice, and Applied Policy Studies	3	SOE	470	Introduction to Economic Geology	3
PSYCH	504	History of Psychology: Theoretical and Scientific Foundations	3	SOE	475	Groundwater	3
PSYCH	550	Social Psychology	3	SOE	492	Special Topics	1-3
PSYCH	574	Clinical and Experimental Biopsychology	3	SOE	510	Species Distribution Modeling	3
PSYCH	577	Behavioral Pharmacology	3	SOE	515	Research Frontiers in Forest Ecology and Management	1
PSYCH	592	Cognition and Affective Bases of Behavior	3	SOE	520	Advanced Topics in Sedimentology	3
				SOE	531	Fundamentals of Environmental Toxicology	3
				SOE	535	Integrated Water Resources Science and Management	3
				SOE	541	Orogenic Systems	2
				SOE	542	Extensional Tectonics	3
				SOE	544	Environmental Assessment	4
				SOE	545	Hazardous Waste Management	3

SOE	548	Applied Spatial Ecology	3	STAT	520	Statistical Analysis of Qualitative Data	3
SOE	550	System Dynamics Models of Environmental Systems	3	STAT	522	Biostatistics and Statistical Epidemiology	3
SOE	552	Analytical Methods in Earth Sciences	3	STAT	533	Theory of Linear Models	3
SOE	556	Foraging Ecology of Herbivores	2	STAT	535	Regression Analysis	3
SOE	560	Advanced Igneous Petrology	3	STAT	536	Statistical Computing	3
SOE	583	Radiogenic Isotopes and Geochronology	3	STAT	544	Applied Stochastic Processes	3
SOE	584	Stable Isotope Geochemistry	3	STAT	548	Statistical Theory I	3
SOE	594	Environmental and Natural Resources Issues and Ethics	3	STAT	549	Statistical Theory II	3
SOE	597	Advanced Topics in Geology	1-4	STAT	565	Analyzing Microarray and Other Genomic Data	3
SOIL SCI	101	Organic Gardening and Farming	3	TCH LRN	520	Topics in Special Student Populations	1-4
SOIL SCI	360	World Agricultural Systems	3	VET CLIM	499	Special Problems	1-4
SOIL SCI	414	Environmental Biophysics	2	VET CLIM	587	Hospital Rotation	3
SOIL SCI	415	Environmental Biophysics Laboratory	1	VET CLIN	592	Seminar	1
SOIL SCI	508	Environmental Spatial Statistics	3	VET CLIN	600	Special Projects or Independent Study	1-18
SOIL SCI	514	Environmental Biophysics	2	VET MED	520	Veterinary Physiology	5
SOIL SCI	521	Physical Chemistry of Soils	3	VET MED	526	Domestic and Exotic Animal Behavior	2
SOIL SCI	531	Soil Microbiology	3	VET MED	545	General Pathology	3
SOIL SCI	547	Soil Fertility Management	3	VET MICRO	499	Special Problems	1-4
STAT	360	Probability and Statistics	3	VET MICR	600	Special Projects or Independent Study	1-18
STAT	412	Statistical Methods in Research I	3	VET PH	499	Special Problems	1-4
STAT	422	Sampling Methods	3	VET PH	600	Special Projects or Independent Study	1-18
STAT	508	Environmental Spatial Statistics	3	VIT ENOL	113	Introduction to Vines and Wines	3
STAT	516	Time Series	3	VIT ENOL	313	Viticulture	3
				VIT ENOL	413	Advanced Viticulture	3
				VIT ENOL	422	Sensory Evaluation of Food and Wine	3

VIT ENOL	465	Wine Microbiology and Processing	3
VIT ENOL	466	Wine Microbiology and Processing Laboratory	1
VIT ENOL	496	Internship in a Winery	2
WOMEN ST	462	Women and Ethics	3