

WASHINGTON STATE UNIVERSITY COOPERATIVELY OFFERED COURSES

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

This section is pending changes and will be finalized by July 1st, 2025.

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