

Natural Science Courses

CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name	
BINF	631	Molecular Cell Biology for Bioinformatics	3	fall	Seto	
BINF	731	Protein Structure Analysis	3	fall	Vaisman	
BINF	739	Topics in Bioinformatics	3	Variable	variable	
BIOD	604	Introduction to Biodefense I: Bacterial and Toxin Agents	3	fall	Rashid	
BIOD	605	Introduction to Biodefense II: Viral Agents	3	Spring (14)	Rashid	
BIOL	506	Selected Topics in Microbiology	1-4 cr	Variable	variable	
BIOL	507	Marine Conservation*	3	fall	Parsons	
BIOL	508	Selected Topics in Animal Biology	1-4 cr	Variable	variable	
BIOL	515	Developmental Neurobiology	3	Fall (09)	Butler	
BIOL	516	Mammalian Neurobiology	3	fall	Pritz	
BIOL	518	Conservation Biology	3	fall	Forkner	
BIOL	532	Animal Behavior	3	Spring	Cressey	
BIOL	533	Selected Topics in Plant Biology	1-4 cr	Variable	variable	
BIOL	537	Ornithology	4	Spring (14)	Luther	
BIOL	538	Mammalogy	4	Fall (13)	Laemmerzahl	
BIOL	539	Herpetology	4	Spring 13	Laemmerzahl	
BIOL	543	Tropical Ecosystems	4	Spring/Even Years	Parsons/Rockwood	
BIOL	550	Waterscape Ecology and Management	3	fall	Jones	
BIOL	553	Advanced Topics in Immunology	3	spring	Wu	
BIOL	559	Fungi and Ecosystems	3	fall	Torzilli	
BIOL	563	Virology	3	Fall	Wu	
BIOL	566	Cancer Genomics	3	Fall (12)	Baranova	
BIOL	568	Advanced Topics in Molecular Genetics	3	Spring (15)	Fryxell	
BIOL	572	Human Genetics	3	Fall (15)	Baranova	
BIOL	575	Selected Topics in Genetics	1-4 cr	Spring	variable	
BIOL	575	Cancer Genomics	3	Spring (07)	Baranova	
BIOL	575	Forensic DNA Analysis	3	Spring (07)	McClintock	
BIOL	579	Molecular Evolution and Conservation Genetics	3	Fall (14)	Fryxell	
BIOL	581	Estuarine and Coastal Ecology	3	Spring (14)	de Mutsert	
BIOL	583	General Biochemistry	4	Spring; Fall	Polayes/ Erb	
BIOL	591	Special Topics	1-6 cr	Variable	variable	
BIOL	607	Fundamentals of Ecology	3	Fall (13)	van der Ham	

Natural Science Courses

CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name	
BIOL	608	Topics in Biology	1-4 cr	Variable	variable	
BIOL	643	Microbial Ecology	4	As EVPP 643	Jonas	
BIOL	648	Population Ecology	3	fall	Rockwood	
BIOL	666	Human Genetics Concepts for Health Care	4	Spring (14)	Baranova	
BIOL	669	Pathogenic Microbiology	3	fall	Popov	
BIOL	682	Advanced Eukaryotic Cell Biology	3	fall	Kehn-Hall, Cox	
BIOL	685	Emerging Infectious Diseases	3	Fall (15)	Kashanchi	
BIOL	691	Neuropharmacology	3	Spring (15)	Kabbani	
BIOL	693	Directed Studies in Biology	1-8 cr	Variable	variable	
BIOL	715	Microbial Physiology	3	spring	Popov	
BIOL	741	Advanced Topics in Environmental Biology	1-4 cr	Variable	variable	
BIOL	745	Environmental Toxicology	3	As EVPP 643	Jonas	
BIOL	793	Research in Biology	1-3 cr	Variable	variable	
CEIE	531	Earth Retaining Structures and Slope Stability	3	Fall (14)	Eddy	
CEIE	535	Engineering Geology	3	Fall (13)	Moore	
CEIE	540	Water Supply and Distribution	3	spring	Doyle/Binning	
CEIE	542	Open Channel Flow	3	fall	Doyle/Binning	
CEIE	550	Environmental Engineering Systems	3	Fall	Houck	
CEIE	553	Water and Wastewater Treatment Processes	3	spring	Doyle/Binning	
CEIE	560	Public Transport Systems	3	Spring (10)	Hardy	
CEIE	657	Environmental Engineering Microbiology	3	Spring (14)	Durant	
CEIE	658	Water Quality	3	Fall (14)	Durant	
CEIE	664	Transportation Engineering and the Environment	3	Spring (14)	Venigalla	
CEIE	690	Topics in Civil Engineering	3	Variable	variable	
CEIE	742	Water Resource Engineering II: Water Resource Systems	3	Fall (14)	Houck	
CHEM	500	Selected Topics in Modern Chemistry	3	Variable	variable	
CHEM	554	Geochemistry of Environmental Hazards	3	Fall (11)	Mose	
CHEM	563	General Biochemistry I	4	fall	Erb	
CHEM	568	Bioorganic Chemistry	3	Spring (15)	Bishop	
CHEM	624	Principles of Chemical Separation	3	Spring (14)	Mushrush	
CHEM	651	Environmental Chemistry of Organic Substances	3	Spring (07, 13); Fall (10, 11)	Foster	

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CHEM	660	Protein Biochemistry	3	Fall (14)	Bishop
CLIM	690	Scientific Basis of Climate Change	3	Spring (14)	Shukla, Kinter
CLIM	710	Introduction to Physical Climate Systems	3	spring	Straus, Klinger
CLIM	711	Introduction to Atmospheric Dynamics	3	fall	Schneider
CLIM	712	Physical and Dynamical Oceanography	3	fall	Huang
CLIM	713	Atmosphere-Ocean Interactions	3	Spring (15)	Pegion
CLIM	714	Land-Climate Interactions	3	spring	Dirmeyer
CLIM	751	Predictability of Weather and Climate	3	Fall (14)	Shukla, Straus
CLIM	752	Ocean General Circulation	3	Spring (07, 09, 11, 13)	Klinger
CLIM	754	Elements of Tropical Climate System	3	Spring (14)	Stan
CLIM	759	Paleoceanography	3	Spring (15)	Hinnov
CONS	630	Species Monitoring and Conservation	3	Variable	variable
CONS	697	Special Topics in Conservation	3	Variable	variable
EVPP	505	Selected Topics in Environmental Science and Policy	1-4 cr	Variable	variable
EVPP	505	Soil Science	3	Spring (15)	Nord
EVPP	505	Fundamentals of Environmental GIS	3	Spring (15)	Prasad
EVPP	505	Principles of Environmental Toxicology	3	Spring (15)	Aguirre
EVPP	505	Physical Oceanography	3	Fall (14)	Klinger
EVPP	506	Science of the Environment I (biology foundation course)	3	Fall (13)	Allen
EVPP	507	Science of the Environment II (chemistry foundation)		spring	Allen
EVPP	515	Molecular Environmental Biology I	3	Fall	Gillevet
EVPP	518	Conservation Biology	3	Fall	Forkner
EVPP	519	Marine Mammal Biology and Conservation*	3	spring; summer	Parsons
EVPP	521	Marine Conservation*	3	Fall	Parsons
EVPP	532	Animal Behavior	3	Spring	
EVPP	527	Disease Ecology/ Conservation	3	Fall (14)	Aguirre
EVPP	536	The Diversity of Fishes	3	Spring (14)	de Mutsert
EVPP	537	Ornithology	4	Spring (14)	Luther
EVPP	538	Mammalogy	4	Fall (13)	Laemmerzahl
EVPP	539	Herpetology	4	Spring	
EVPP	543	Tropical Ecosystems*	4	Spring/ Even Years	Parsons/Rockwood
EVPP	550	Waterscape Ecology and Management	3	Fall/ Every Year	Jones

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CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name	
EVPP	551	Fungi and Ecosystems	3	Fall/ Every Year	Torzilli	
EVPP	563	Coastal Morphology and Processes	4	Spring (15)	McBride	
EVPP	581	Estuarine and Coastal Ecology	3	Spring (14)	de Mutsert	
EVPP	607	Fundamentals of Ecology	3	fall	van der Ham	
EVPP	615	Molecular Environmental Biology II	4	Spring	Gillevet	
EVPP	619	Challenge of Biodiversity*	3	Spring	Lovejoy	
EVPP	622	Management of Wild Living Resources*	3	Spring or Fall/ Each 2-3 years	Talbot	
EVPP	641	Environmental Science and Public Policy	3	Spring	Jonas	
EVPP	643	Microbial Ecology	4	Fall/ Every other year	Hamdan	
EVPP	646	Wetland Ecology and Management	3	Fall	Ahn	
EVPP	648	Population Ecology	3	fall	Rockwood	
EVPP	650	Environmental Analysis and Modeling	4	Fall/ Every other year	Ahn	
EVPP	677	Applied Ecology and Ecosystem Management	3	Spring	Sklarew	
EVPP	693	Directed Studies in Environmental Science and Public Policy	1-4 cr	Variable	variable	
EVPP	741	Advanced Topics in Environmental Science and Public Policy	1-4 cr	Variable	variable	
EVPP	741	Challenge of Biodiversity*	3	Spring (14)	Lovejoy	
EVPP	745	Environmental Toxicology	3	Fall/ Every other year	Aguirre	
GCH	560	Environmental Health	3	Spring	Pollack	
GCH	640	Global Infectious Disease	3	Spring	Simon, Jacobsen, Paeglow	
GCH	722	Infectious Disease Epidemiology	3	Spring	von Fricken, Jacobsen	
GCH	762	Environmental Epidemiology (online)	3	Summer (12, 13, 14)	Frankenfeld	
GEOL	500	Selected Topics in Modern Geology	1-3 cr	Variable	variable	
GEOL	501	Selected Topics in Modern Geology	1-3 cr	Variable	variable	
GEOL	534	Vertebrate Paleontology	3	Fall (13)	Uhen	
GGS	533	Issues in Regional Geography	1-6 cr	Variable	variable	
GGS	590	Selected Topics in Geography	3	Variable	variable	
GGS	656	The Hydrosphere	3	Spring	Houser	
GGS	721	Biogeography	3	Fall (13)	Taylor	
* Signifies a hybrid course that can count as a natural science or policy requirement.						

Policy Courses

CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name
ANTH	580	Environmental Anthropology	3	Fall (13)	Takahashi
BIOD	706	Nuclear, Biological, and Chemical Weapons Policy and Security	3	Spring	Blair, Ovaghran-Gormley
BIOD	725	Terrorism and Weapons of Mass Destruction	3	Spring	Koblentz
BIOD	726	Agroterrorism and Food Security	3	Spring (15)	Breeze
BIOD	760	National Security Technology and Policy	3	Fall (13), Spring (15)	Dennis, Harrington
BIOL	507	Marine Conservation*	3	fall	Parsons
CEIE	501	Sustainable Development	3	Fall (09, 10)	deMonsabert
CEIE	556	Environmental Law	3	Spring (07, 08, 09, 10, 11, 12)	deMonsabert, McDaniel, Bakhshi, Wolgast, Stein,
CEIE	690	Topics in Civil Engineering	3	variable	variable
COMM	637	Risk Communication	3	Fall (13)	Rowan
COMM	639	Science Communication	3	Fall	Clarke
COMM	640	Controversies in Science Communication	3	Spring (14)	Clarke
COMM	641	Communication Competencies for Scientists	3	Fall (15)	Maibach
COMM	642	Science and the Public	3	Spring (15)	Clarke
COMM	660	Climate Change and Sustainability Communication Campaigns	3	Spring (14)	Roser-Renouf
COMM	670	Social Marketing	3	Summer (12, 14); Fall (10)	Maibach
COMM	690	Special Topics in Communication	3	variable	variable
COMM	690	Climate Change	3	variable	variable
COMM	700	Building Social Science Theory	3	Fall (14)	Maibach
COMM	735	Crisis Communication	3	Fall (14)	Rowan
CONF	501	Introduction to Conflict Resolution	3	Fall (13), Spring	Friedman, Jeong, Erickson, Goodale, Burkoff
CONF	682	Principles of Environmental Conflict Resolution	3	Fall (13)	Hall
CONF	683	Environmental Conflict Resolution and Collaboration: Situation Assessment, Process Design, and Best Practices	3	Spring (14)	Birkhoff
CONF	735	Global Context of Conflict	3	Fall (05)	Jeong
CONS	640	Adaptive Management for Conservation Success	3	variable	variable
CONS	660	Effective Conservation Leadership	3	variable	variable
CONS	665	Conservation Conflict Resolution	3	variable	variable
CONS	697	Special Topics in Conservation	1-3 cr	variable	variable
CSI	500	Computational Science Tools (online)	3	Fall (13, 14, 15)	Zoltek
CSS	620	Origins of Social Complexity	3	Fall (07, 09, 10, 11, 12, 13, 14, 15); Spring (09)	Cioffi-Revilla
ECON	869	International Trade and Policy	3	Fall (13)	Cowen
EVPP	505	Topics in Environmental Social Science	3	variable	variable

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CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name
EVPP	505	Environmental Social Science	3	Fall (15)	Visseren
EVPP	505	Global Biodiversity Governance	3	Spring	Visseren
EVPP	505	Environmental Communication	3	Spring (15)	Parsons
EVPP	505	Environmental Policy	3	Fall (14)	Hartl
EVPP	519	Marine Mammal Biology and Conservation*	3	spring; summer	Parsons
EVPP	521	Marine Conservation*	3	fall	Parsons
EVPP	524	Introduction to Environmental and Resource Economics	3	Fall (13)	Kennedy
EVPP	525	Economics of Human/ Environment Interactions	3	Spring (05, 07); Fall (08)	Whitaker
EVPP	619	Challenge of Biodiversity *	3	Spring (15)	Lovejoy
EVPP	620	Development of U.S. Environmental Policies*	3	Spring or Fall/ Each 2-3 yrs	Talbot
EVPP	621	Overview Biodiversity Conservation*	3	Spring or Fall/ Each 2-3 yrs	Talbot
EVPP	622	Management of Wild Living Resources*	3	Spring or Fall/ Each 2-3 yrs	Talbot
EVPP	623	Translating Environmental Policy into Action*	3	Spring or Fall/ Each 2-3 yrs	Talbot
EVPP	626	Environment and Development in Asia	3	Summer/ Every 5-8 years	Sklarew
EVPP	635	Environment and Society	3	Spring (14, 16)	Crate
EVPP	638	Corporate Environmental Management and Policy	3	Fall	Kim
EVPP	642	Environmental Policy	3	Fall	Balint, Kim
EVPP	670	Environmental Law	3	Spring	Hartl
EVPP	675	Environmental Planning and Administration	3	Spring or Fall/ Each 2-3 yrs	Kim
EVPP	682	Principles of Environmental Conflict	3	Spring (10); Fall (09, 10, 11)	Dukes
EVPP	693	Directed Studies in Environmental Science and Policy	1-4 cr	variable	variable
EVPP	730	Environmental Policy Research in Practice	3	Spring/ Every other year	Kim
EVPP	738	Sustainable Enterprise Theory	3	Spring/ Every other year	Kim
EVPP	741	Advanced Topics in Environmental Science and Public Policy	0-4	variable	variable
EVPP	741	International Environmental Policy	3	Spring or Fall/ Each 2-3 years	Talbot
EVPP	741	Challenge of Biodiversity *	3	Spring (15)	Lovejoy
GGS	533	Issues in Regional Geography	1-6 cr	variable	variable
GOVT	510	American Government and Politics	3	Fall (13), spring	Victor, Dudley, McDonald
GOVT	739	Issues in Comparative and International Politics	3	variable	variable
GOVT	759	Issues in Public Administration and Management	3	variable	variable
HAP	642	Health Policy Development and Analysis	3	Fall (13), Spring (15)	Henderson
HAP	712	Topics in Public Policy	3	Spring (11)	Meiners

Policy Courses

CSE	#	TITLE	CR	SEMESTER TAUGHT & FREQUENCY	Faculty name
ITRN	701	Special Topics in International Commerce and Policy	1-3 cr	variable	variable
ITRN	752	Global Business and Policy (Distance Learning)	3	Spring (14)	Ketkar
PHIL	643	Environmental Ethics	3	Fall (13)	Paden
PRLS	501	Introduction to Natural Resources Law	3	Fall (13); Spring	Kozlowski
PRLS	531	Natural Resources Recreation Planning (Distance Learning)	3	Fall (13)	D.L. Jones
PRLS	670	Environmental Law (Distance Learning)	3	Fall (13), Spring (14)	Kozlowski
PUAD	502	Administration in Public and Nonprofit Organizations	3	Fall (13); Spring	Conan, Terman, Burroughs
PUAD	504	Managing in the International Arena: Theory and Practice	3	Fall (13); Spring	Guess, Benjamin
PUAD	505	Introduction to Nonprofit Management	3	Spring	Toepler
PUAD	511	Problem Solving/ Data Analysis	3	Fall (13); Spring	Balint
PUAD	540	Public Policy Process	3	Fall (13); Spring	Regan
PUAD	636	The NGO: Policy and Management	3	Spring (06, 07, 08, 09, 10, 11, 12, 13, 14, 15)	Toepler
PUAD	642	Environmental Policy	3	Fall (13)	Kim
PUAD	645	Policy Analysis	3	Fall (13)	Stabile
PUAD	680	Managing Information Resources	3	Spring (05, 06, 07, 08, 10, 13); Fall (11, 12), Summer (05, 06, 07)	Skeen, Schlosser, Hackler, Day
PUAD	700	Ethics and Public Administration	3	Fall (13), spring	Bourroughs, Hall, Edner
PUAD	729	Issues in Public Management	3	variable	variable
PUAD	739	Issues in International Management	3	variable	variable
PUBP	501	Policy and Organizational Analysis	4	Spring (05, 06, 07, 08, 09, 10); Fall (05, 06, 09, 10, 11)	Thibault, Ruth, Auerswald, Lipscomb, Mayer, Addleson, Sommer, Riggle, Woodcock, Gullledge, Gaske, Sturtevant, Schlinter
PUBP	502	Governance and Policy Processes	4	Fall (13), spring	Deitz
PUBP	503	Culture, Organization, and Technology	4	Spring	LaPorte, Sommer, Ruth, Paden
PUBP	533	Topics in Public Policy	1-3 cr	variable	variable
PUBP	550	Topics in Public Policy	1-3 cr	variable	variable
PUBP	570	Policy Writing Fundamentals	3	Spring	Wilhelm, Benson, Whitney
PUBP	700	Theory and Practice in Public Policy	4	Spring	Gest, Deitz, Mayer, Rudder, Gordon
PUBP	710	Topics in Public Policy	1-3 cr	variable	variable
PUBP	713	Policy and Program Evaluation	3	Fall (13), spring	Finkelstein, Anacker, Destler, Rough, Anacker, Muhlhausen
PUBP	720	Managerial Economics and Policy Analysis	3	Fall (13), spring	Averswald, Marples, Earle

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PUBP	753	Ethics in Public Policy	3	Summer (10, 11, 12)	Stabile
PUBP	754	Geographic Information Systems and Spatial Analysis for Public Policy	3	Spring	Zolnik
PUBP	757	Public Policy in Global Health and Medical Practice	3	Fall (13)	Nicogossian
PUBP	761	Social Entrepreneurship and Public Policy	3	Fall (09, 10)	Auerswald, Acs
PUBP	762	Social Institutions and Public Policy	3	Fall (13), Spring (15)	McNeeley
PUBP	820	Technology, Science, & Innovation: Institutions & Governance	4	Fall (06, 07, 08, 10, 12, 15)	Hart
PUBP	821	Analytic Methods for Technology, Science, & Innovation Policy	4	Fall (13)	Averswald
PUBP	833	Topics in Public Policy	1-4 cr	variable	variable
PUBP	840	U.S. Policy-Making Institutions	4	Fall (13)	Pfiffner
PUBP	841	U.S. Policy-Making Processes	4	Spring (06, 08); Fall (12)	Fauntroy
PUBP	880	Global and International Public Policy I	4	Fall (13)	Cronin
SOCI	599	Issues in Sociology	1-3 cr	variable	variable
SOCI	631	Survey Research	3	Spring (15)	Witte
SOCI	633	Special Topics in Sociology	3	variable	variable
SOCI	635	Environment and Society	3	Spring (05)	Guagnano
SOCI	833	Special Topics in Sociology	3	variable	variable
SOCI	857	Sociology of Human Rights	3	Spring (14)	Dale
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Methods Courses

CSE	#	TITLE	CR	semester taught & frequency	Faculty name
BINF	630	Bioinformatics Methods	3	Spring	Vaisman
BINF	702	Research Methods	3	Spring (14)	Solka
BINF	730	Biological Sequence and Genome Analysis	3	Spring	Jafri
BINF	731	Protein Structure Analysis	3	Fall	Vaisman
BINF	739	Topics in Bioinformatics	3	variable	variable
BIOL	508	Histotechniques	3	Spring	Peters
BIOL	555	Lab in Waterscape Ecology	1	CoListed w/EVPP 555	Jones
BIOL	580	Computer Applications for the Life Sciences	3	Spring	Vaisman
BIOL	582	Estuarine and Coastal Ecology Lab	1	CoListed w/EVPP 581	Jones
BIOL	585	Eukaryotic Cell Biology Lab	1-2 cr	Fall (13), Spring (15)	Grant
CEIE	601	Infrastructure Modeling	3	Spring	Houck
CHEM	554	Geochemistry of Environmental Hazards	3	Fall (11)	Mose
CLIM	715	Numerical Methods for Climate Modeling	3	Fall	Boybeyi
CLIM	762	Statistical Methods in Climate Research	3	Fall (14)	Delsole
COMM	650	Research Methodologies in Communication	3	Fall	Wright, Vraga
COMM	725	Qualitative Methods	3	Spring	Fisher, Gibson
COMM	750	Research Methods II	3	Fall (13)	Vraga
CONS	620	Spatial Ecology for Conservation	3	variable	variable
CONS	625	Statistics for Ecology and Conservation Biology	3	variable	variable
CONS	630	Species Monitoring and Conservation	3	variable	Kolowski
CONS	635	Non-Invasive Genetic Techniques in Wildlife Conservation	2	variable	variable
CONS	697	Special Topics in Conservation	1-3 cr	variable	variable
CSI	500	Computational Science Tools	3	Fall	Zoltek
CSI	654	Data and Data Systems in the Physical Sciences	3	Fall (05)	Yang
CSI	674	Bayesian Inference and Decision Theory	3	Spring (15)	Laskey
CSI	754	Earth Science Data and Advanced Data Analysis	3	Spring (12)	Yang
CSI	775	Graphical Models for inference and Decision Making	3	Spring (14)	Costa
CSI	786	Molecular Dynamics Modeling	3	Spring (15)	Blaisten
CSS	600	Introduction to Computational Social Science	3	Fall	Crooks
CSS	605	Object-Oriented Modeling in Social Science	3	Fall	Casstevens, Tian
CSS	610	Computational Analysis of Social Complexity	3	Spring (15)	Axtell
CSS	625	Complexity Theory in the Social Sciences	3	Spring	Cioffi-Revilla, Tsvetovat

Methods Courses

CSE	#	TITLE	CR	semester taught & frequency	Faculty name
CSS	643	Land-use Modeling Techniques and Applications	3	Spring	Tian
CSS	645	Spatial Agent-based Models of Human-Environment Interactions	3	Spring	Crooks
CSS	692	Social Network Analysis	3	Spring	Tian
EFHP	690	Scientific Communications	3	Fall (13), Spring (15)	Ambegaonkar
EVPP	503	Field Mapping Techniques	3	Fall	Mandable, Nord
EVPP	505	Selected Topics in Environmental Science and Policy	1-4 cr	variable	variable
EVPP	520	Marine Mammal Biology and Conservation Field course	1	Summer	Parsons
EVPP	531	Land-use Modeling Techniques and Applications	3	Fall (05, 06, 07, 08, 10); Spring (13)	Parker, Crooks, Tian
EVPP	555	Lab in Waterscape Ecology	1	Fall as needed	Jones
EVPP	582	Estuarine and Coastal Ecology Lab	1	As needed	de Mutsert
EVPP	615	Molecular Environmental Biology II	4	Fall	Gillevet
EVPP	631	Spatial Agent-based Models of Human-Environment Interactions	3	Spring (06, 09, 10, 11, 12)	Gulden, Parker, Crooks
EVPP	632	Qualitative Research Methods for Environmental Scientists	3	Fall	Crate
EVPP	647	Wetland Ecology Lab and Field	1	Fall	Ahn
EVPP	650	Environmental Analysis and Modeling	4	Fall (14)	Ahn
EVPP	651	Multivariate Data Analysis for Ecology & Environmental Science	3	Depends on EVPP 301	Jones
EVPP	683	Environmental Conflict Resolution and Collaboration: Situation Assessment, Process Design, and Best Practices	3	Spring (10, 11, 12)	Dukes
EVPP	693	Directed Studies in Environmental Science and Public Policy	1-4 cr	variable	variable
EVPP	741	Advanced Topics in Environmental Science and Public Policy	1-4 cr	variable	variable
GCH	601	Introduction to Biostatistics	3	Fall	Baghi, Martin
GGs	531	Land-use Modeling Techniques and Applications	3	Spring (15)	Tian
GGs	550	Geospatial Science Fundamentals	3	Fall	Croitoru
GGs	553	Geographic Information Systems	3	spring; fall	Curtin, Dalmater, Rice
GGs	560	Quantitative Methods	3	Fall (13), Spring (15)	Yang, Sun
GGs	562	Photogrammetry	3	Spring (15)	McGlone
GGs	563	Advanced Geographic Information Systems	3	spring; fall	Pfoser
GGs	579	Remote Sensing	3	spring; fall	Haack
GGs	590	Selected Topics in Geography	3	variable every semester	variable
GGs	653	Geographic Information Analysis	3	Spring (15)	Curtin

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GGS	680	Earth Imaging Processing	3	Every fall & Spring (14)	McGlone, Croitoru
GGS	684	Selected Topics in Geospatial Intelligence	3	variable	variable
GGS	704	Spatial Analysis and Modeling of Population	3	Spring (14)	Leslie
GGS	740	Hyperspectral Imaging Systems	3	Fall (13)	Resmini
GGS	754	Earth Science Data and Advanced Data Analysis	3	Spring (14)	Sun
GGS	756	Physical Principles of Remote Sensing	3	Fall (14)	Qu
GGS	760	Advanced Topics in Remote Sensing	3	Spring	Haack
GGS	777	Remote Sensing Natural Hazards	3	Spring (15)	Sun
GGS	791	Advanced Spatial Statistics	3	Spring (15)	Leslie
GOVT	500	The Scientific Method and Research Design	3	Fall, Spring (14)	McGlinchey, Ovagrham-Gormley, McDonald
GOVT	511	Problem Solving and Data Analysis I	3	Spring	Balint
GOVT	712	Problem Solving and Data Analysis II	3	Spring (14)	McDonald
GOVT	717	Advanced Seminar Qualitative Methods	3	Fall (09, 10); Spring (12, 13)	Benjamin
ITRN	501	Methods of Analysis for International Commerce and Policy	3	spring; fall	Magness
PUAD	502	Introduction to Administration - Public & Non Profit	3	Fall (13)	Conant
PUAD	511	Problem Solving and Data Analysis I	3	spring; fall	Balint
PUAD	612	Problem Solving and Data Analysis II	3	Spring (14)	McDonald
PUAD	622	Program Planning and Implementation	3	Fall (06, 07, 08, 09, 10, 11, 12) Summer (15)	Stahl
PUAD	749	Issues in Public Policy	3	variable	variable
PUBP	511	Quantitative Methods in Public Policy	3	Fall (15)	Pham, Muhlhausen, Koizumi,
PUBP	704	Statistical Methods in Policy Analysis	3	spring; fall	Muhlhausen, Smith, Zolnik, Patel, Schintler, Anacker, Park
PUBP	705	Advanced Statistical Methods in Policy Analysis	3	Fall; Spring (15)	Patel, Schintler, Koizumi
PUBP	710	Internet and Public Policy	3	Spring	Ruth, Dietz, Rudder, Rhodes, Schneider
PUBP	710	Climate Change Politics/ Policy	3	Fall (13)	LaPorte
PUBP	754	Geographic Information Systems and Spatial Analysis for Public Policy	3	spring; fall	Zolnik, Koizumi
PUBP	791	Advanced Field Research for Policy: Theory and Method	4	Spring	Wedel
PUBP	804	Multivariate Data Analysis for Public Policy	4	Spring	Schintler, Koizumi
SOCI	620	Methods and Logic of Social Inquiry	3	Fall	Guagnano, Davis
SOCI	631	Survey Research	3	Spring (15)	Witte

Methods Courses

CSE	#	TITLE	CR	semester taught & frequency	Faculty name
SOCI	634	Qualitative Research Methods	3	Fall (06, 07, 09, 11, 12)	Best, Jacobs, Masters
SOCI	636	Statistical Reasoning	3	Spring	Guagnano, Witte
SOCI	730	Analytic Techniques of Social Research	3	Fall (14)	Witte
STAT	501	SAS Language and Basic Procedures	1	Spring	Davis
STAT	502	Introduction to SAS/GRAPH	1	Spring	Davis
STAT	503	SAS Macro Language	1	Spring	Davis
STAT	505	Introduction to R	1	Summer	Saxton
STAT	506	Introduction to SPSS (online)	1	Summer (13)	Tang
STAT	535	Analysis of Experimental Data Using SPSS	3	Fall	Johnson, Tang
STAT	544	Applied Probability	3	spring; fall	Sutton
STAT	554	Applied Statistics	3	spring; fall	Diao, Hughes-Oliver
STAT	574	Survey Sampling I	3	Fall	Davis
STAT	652	Statistical Inference	3	Spring	Sutton
STAT	655	Analysis of Variance	3	Spring (14)	Miller
STAT	656	Regression Analysis	3	Fall	Miller
STAT	658	Time Series Analysis and Forecasting	3	Fall	Alber
STAT	662	Multivariate Statistical Methods	3	Spring (15)	Miller
STAT	663	Statistical Graphics and Data Exploration I	3	Fall	Carr
STAT	664	Bayesian Inference and Decision Theory	3	Spring (15)	Laskey
STAT	665	Categorical Data Analysis	3	Spring (15)	Zhao
STAT	674	Survey Sampling II	3	Spring (06, 08, 11)	Kott, Jang
STAT	719	Graphical Models for inference and Decision Making	3	Spring (14)	Costa
STAT	771	Spatial Data Analysis	3	Fall (14)	Diao

Seminars

CSE	#	TITLE	CR	
BIOL	692	Seminar in Biology	1	
BIOL	695	Seminar in Molecular, Microbial, and Cellular Biology	1-4 cr	
COMM	590	Seminar in Communications	3	
EVPP	692	Master's Seminar in Environmental Science and Public Policy	1	
EVPP	692	Seminar in Earth Systems Science	2	
EVPP	991	Advanced Seminar in Environmental Science (PhD level)	2	
EVPP 692 (master's seminar) and 991 (doctoral seminar) are usually cross-listed.				

Proposals, Projects, Research

CSE	#	TITLE	CR
EVPP	693	Directed Studies in Environmental Science and Public Policy	1-4 cr
EVPP	730	Environmental Policy Research in Practice	3 cr
EVPP	793	Research in Environmental Science and Public Policy	1-3 cr
EVPP	798	Master's Research Project in Environmental Science and Policy	1-3 cr
EVPP	799	Master's Thesis in Environmental Science and Policy	1-6 cr
EVPP	998	Doctoral Dissertation Proposal	1-6 cr
EVPP	999	Doctoral Dissertation Research (only after advancement to candidacy)	1-24 cr

How do I register for dissertation proposal credits? Registration for Proposals: (EVPP 998): Email the Graduate Office at sbloomqu@gmu.edu. Sharon will give you the CRN.

How do I register for Thesis (EVPP 799) credits? Registration for Thesis credits (EVPP 799): An approved proposal must be submitted with a signature page to the Graduate Office. The CRN will be given by Sharon after she receives the approved proposal.

How do I register for project (EVPP 798) credits? Registration for Project credits (EVPP 798): Email the Graduate Office at sbloomqu@gmu.edu . Sharon will give you the CRN and you will register in PatriotWeb

How will I know when I am able to register for EVPP 999? Registration for Dissertation credits (EVPP 999): Students must have advanced to candidacy. Your "class" will change to "PhD Advanced to Candidacy" on your student information page in PatriotWeb. Only then should you request the CRN from Melissa Hayes in the College of Science at mhayes5@gmu.edu