

Appendix H
Elective Courses with Instructors

MSES Elective Courses for Curriculum Concentrations (i.e. Tracks)			
Course ID	Class Title	Instructor	Track(s) ¹
ANTH 552	Archeological Anthropology	Abrams, Elliot	EA
ANTH 556	Methodology and Field Research	Ammarell, Eugene	EA
ANTH 561	North American Prehistory	Abrams, Elliot	EA
ANTH 563	Gender in Prehistory	NA	EA
ANTH 564	Near East Prehistory	NA	EA
ANTH 565	Field School in Ohio Archaeology	Ammarell, Eugene	EA
ANTH 567	South American Prehistory	Freter Abrams, Anncorinne	EA
ANTH 570	Mexican/Central American Prehistory	Abrams, Elliot	EA
ANTH 594	Seminar in Archaeology	Abrams, Elliot	EA
BIOS 503	Comparative Vertebrate Anatomy	Reilly, Stephen	EA
BIOS 516	Biogeography	Dyer, James	LS
BIOS 529	Marine Biology	Currie, Warren	LS
BIOS 530	Invertebrate Zoology	Hassett, Patrick	LS
BIOS 531	Aquatic Biology	Gurien, Molly	LS
BIOS 535	Entomology	Johnson, Kelly	LS
BIOS 565	Ichthyology	Johnson, Kelly	LS
BIOS 571	Ornithology	Miles, Donald	LS
BIOS 574	Mammalogy	Svendsen, Gerald	LS
BIOS 575	Sociobiology	Svendsen, Gerald	PP
BIOS 581	Animal Conservation Biolotfy	White, Matt	LS
BIOS 670	Biostatistics	Svendsen, Gerald	LS
CE 566	Transportation Systems Analysis	NA	PP
CH E 562	Air Pollution Modeling	Crist, Keving	EM
CH E 520	Coal Conversion Technology	Prudich, Michael	PES
CH E 560	Atmospheric Pollution Control	NA	PES
CH E 563	Atmospheric Chemistry	NA	PES
CH E 581	Biochemical Engineering	Gu, Tingyue	PES
CHEM 501	Organic Chemistry Survey	NA	EM, PES
CHEM 531	Chemical Separation Methods	Harrington, Peter	EM, PES
CHEM 532	Chemical Instrumentation and Electrochemistry	Barlag, Rebecca	EM, PES
CHEM 533	Spectrochemical Analysis	Chen, Hao	EM, PES
CHEM 551	Physical Chemistry	NA	PES
CHEM 579	Radiochemistry	NA	EM, PES
CHEM 585	Introduction to Toxicology	Brown, Kenneth	EM, PES, PP

¹ EA = Environmental Archaeology; EM = Environmental Monitoring; LS = Environmental Life Sciences; PES = Environmental Physical and Earth Sciences; PP = Environmental Policy and Planning

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CHEM 589	Basic Biochemistry	Wu, Shuyong	EM, PES
ECON 513	Economics of the Environment	Chimeli, Ariaster	PP
ECON 514	Natural Resource Economics	Boyd, Roy	PP
ECON 535	Economics of Energy	Chimeli, Ariaster	PP
ECON 550	Economic Development	Southgate, Douglas	PP
EH 510	Water Supply and Wastewater	Paschold, Helmut	EM, PES
EH 525	Environmental Health and Safety Risk Communication	Morrone, Michele	EM, PP
EH 540	Air Quality and Pollution Control	Paschold, Helmut	EM, PES
GEOG 501	Meteorology	Towe, Christopher	PES
GEOG 515	Landforms & Landscapes	Sack, Dorothy	PES
GEOG 516	Biogeography	Dyer, James	PES
GEOG 521	Population Geography	Jokisch, Brad	EA, PP
GEOG 529	World Economic Geography	Jokisch, Brad	PP
GEOG 540	Environmental Impact Analysis	Lein, James	EA, PES, PP
GEOG 544	Agricultural Ecosystems	NA	EA, PES
GEOG 550	Land Use Planning	Bain, Nancy	PES, PP
GEOG 553	Environmental Planning	Lein, James	PES, PP
GEOG 553	Appalachia: Land and People	Buckley, Geoff	PP
GEOG 556	City and the Environment	Perkins, Harold	PP
GEOG 558	Environmental Hazards	Lein, James	EM, PP
GEOG 560	Cartography I	Pearce, Margaraet	EM
GEOG 565	Air Photo Interpretation	Sack, Dorothy	EA
GEOG 566	Remote Sensing	Lein, James	EA, EM
GEOG 570	Geographic Information Systems (GIS) Applications	Dyer, James	EA, EM, PP
GEOG 576	Field Methods	Dyer, James	PES
GEOG 578	Principles of GIS	Sinha, Gaurav	EA, EM, PES, PP
GEOG 579	GIS Analysis	Schweizer, Peter	EA, EM
GEOL 512	Earth Materials & Resources	Nadon, Greg	PES
GEOL 527	Water Geochemistry	Lopez, Dina	PES
GEOL 529	Contaminant Geochemistry	Lopez, Dina	PES
GEOL 530	Principles of Geomorphology	Springer, Greg	PES
GEOL 532	Origin and Classification of Soils	Springer, Greg	EA, PES
GEOL 535	Quaternary Geology	NA	EA

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GEOL 539	Fluvial Geomorphology	Springer, Greg	LS, EM, PES
GEOL 553	Physical Limnology	Kordesch, Elizabeth	PES
GEOL 580	Principles of Hydrogeology	NA	EM, PES
GEOL 581	Ground Water Flow Modeling	Abdel-Fattah, Ahmad	EM
GEOL 582	Transport Processes in Ground Water	NA	EM
HIST 502	History of American Indians	Roney, Jessica	EA
HIST 506	American Environmental History	NA	PP
HIST 533	Oil and World Power	Brobst, John	PP
IH 500	IH Sampling and Analysis	Ryan, Tim	EM
IH 501	Hazardous Materials in the Workplace	Paschold, Helmut	EM, PES
IH 505	Ventilation for Contamination Control	Paschold, Helmut	EM
IH 510	Physical Hazards	Ryan, Tim	EM
IH 515	Radiological Health	Ryan, Tim	EM
IH 520	Hazardous Materials Management and Control	Ryan, Tim	EM
MATH 550 A-C	Theory of Statistics	Lin, Wei	EM
MATH 560 A-C	Advanced Calculus	Aizicovici, Sergiu	EM
MGT 530	Management Systems: Decision Making	Holbrook, Robert	PP
PBIO 509	Plant Systematics	Ballard, Harvey	LS
PBIO 510	Biology of Fungi	Trese, Art	LS
PBIO 515	Quantitative Methods in Plant Biology	McCarthy, Brian	LS
PBIO 520	Phycology	Vis, Morgan	LS
PBIO 535	Plant Population Biology	Johnson, Kelly	LS
PBIO 560	Paleobotany	Rothwell, Gar	LS
PBIO 693	Topics in Botany	Matlack, Glen	EA, LS
PHIL 592	Applied Ethics	Zucker, Arthur	PP
PHYS 511	Thermodynamics	Govorov, Alexander	EM
POLS 526	Politics of Contemporary Environmental Movement	Manring, Nancy	PP
POLS 588	Public Dispute Resolution	Manring, Nancy	PP
POLS 595	Public Affairs Internship	Various	PP
SOC 581	Environmental Sociology	Scanlan, Steve	EA, PP