THE UNIVERSITY OF MICHIGAN
SCHOOL OF NATURAL RESOURCES
& ENVIRONMENT

COURSES TO FULFILL ANALYTIC REQUIREMENT IN MASTER'S CURRICULUM

Course Number	Course Title	Credit Hours	Term
NRE 420	Principles of GIS	4	W
*NRE 438	Natural Resource Statistics	4	F
NRE 441	Remote Sensing of the Environment	4	W
NRE 446	Quantitative Analysis of Ecological Issues	4	W
NRE 471	Analytical Tools for Environmental Policy	3	W
NRE 501.024/CSIB 566	Systems Thinking in Sustainable Development	3	W
NRE 512 / BA 512	Ethics in Corporate Management	2	F
NRE 514/EIHLTH 572	Environmental Impact Assessment	3	W
**NRE 525	Ecological Inference: Data & Experiments	3	W
NRE 530	Geography: Spatial Analysis, Theory, and Practice	3	F
NRE 534	GIS & Landscape Modeling	3	F
*NRE 538	Natural Resource Data Analysis	4	W
NRE 540	GIS and Natural Resource Applications	2	F
NRE 543	Environ Spatial Data Analysis	3	F
NRE 544	Geo-Referenced Data Applications	2	
NRE 545	Population-Environmental Dynamics	3	
NRE 557/CEE 586	Industrial Ecology	3-4	W
**NRE 569	Intro to Geostatistics	3	F
NRE 570	Microeconomics with Natural Resource Applications	3	F
NRE 571/Econ 471	Environmental Economics	3	F, W
NRE 574/Physics 419	Sustainable Energy Systems	3	F
NRE 585	Water Resource Economics	3	W
NRE 594/CAAS 594	Research for Environmental Justice		
NRE 595/CEE 589	Risk Benefit Analysis in Environmental Engineering	3	W
NRE 641	Research Methods in Environment & Behavior	3	F
NRE 687	Landscape Analysis and Planning	4	F
*Biostatistics 503	Intro to Biostatistics	4	F
*Biostatistics 553	Applied Biostatistics	4	F
Biostatistics 690	Health Applications of Multivariate Analysis	3	W
Political Science 694	Qualitative Research Methods	3	W
*Political Science 695	Regression Analysis	3	SU
*Political Science 699	Statistical Methods II	3	
Psychology 665	Measurement and Analysis Problems in Organizational Research	3	
Psychology 726/Soc 726	Multivariate Analysis	3	F
Public Policy 479	Operations Research Public Policy	3	F
*Public Policy 529	Statistics	3	F, W
Public Policy 571/Econ 571	Applied Econometrics	3	W
Public Policy 573/Econ 573	Benefit-Cost Analysis	3-4	F, W

* Courses that may be used to meet the Statistics requirement for concentration subplans which require that at least one Analytics course be statistics.

**Course may substitute for NRE 438 or satisfy analytics requirement.

Public Policy 636	Program Evaluation	3	W

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**Course may substitute for NRE 438 or satisfy analytics requirement.

COURSES TO FULFILL ANALYTIC REQUIREMENT IN MASTER'S CURRICULUM (continued)

Course Number	Course Title	Credit Hours	Term
*Sociology 510	Statistics	4	F
Sociology 512	Survey Research--Detroit Area Study	4	W
Sociology 522	Qualitative Research Methods	3	F
Sociology 523	Qualitative Research Methods	3	W
*Statistics 400	Applied Statistical Methods	4	F, W
*Statistics 401	Applied Statistical Methods II	4	W
*Statistics 412	Introduction to Probability and Statistics	3	
Statistics 413	General Linear Model	4	F
*Statistics 500	Applied Statistics I	3	F
*Statistics 501	Applied Statistics II	3	W
Urban Planning 406/ Geography 406	Intro to Geographic Information Systems	3	F
Urban Planning 503	Introduction to Statistics	3	F
Urban Planning 504	Quantitative Planning Methods II	3	W
Urban Planning 507	Geographic Information Systems	3	W
Urban Planning 567/ Arch 567	Program/Built Environment Evaluation	3	F

To receive credit for the following courses, extra work may be necessary. The student may be required to provide documentation of this work to receive credit.

Economics 404	Statistics for Economists	4	F, W
Economics 405/ Statistics 405	Introduction to Statistics	4	F, W
Economics 406	Introduction to Econometrics	4	W

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**Course may substitute for NRE 438 or satisfy analytics requirement.