

## Tentative Master's Course Offerings - Residential

(last updated 8/24/2023)

Course Number	Course Title	Fall	Spring	Summer	Semester Not	Prereq (P), Coreq (C), & Recommended (R)	Notes
D548	US Foreign Policy and Third World Regimes		X				
D573	Development Economics	X					
D576	Approaches to Development		X				
D577	International Economic Strategies and Trade Policy	X					
D578	Introduction to Comparative and International Affairs		X		Even Spring		
D583	Conflict and Development						Not currently scheduled.
D669	Economic Development, Globalization and Entrepreneurship		X		Even Spring	P: V517, a course in urban economics or consent of instructor	
E501	Human Behavior and Energy Consumption		X				Not currently scheduled. Cross-listed as SPEA-X 511.
E505	Renewable and Nuclear Energy		X		Even Spring	R: E574	Not currently scheduled.
E512	Risk Communication		X		Odd Spring		
E513	Environmental Project Management	X					Two-week course during the fall intercession, prior to the start of fall semester.
E514	Changing Landscape of Toxic-Chemical Regulation		X				
E515	Fundamentals of Air Pollution	X			Odd Fall	R: E536	Taught alternately with E451, which may be used as a substitute, with an advisor's signature.
E516	Fisheries Management	X					Taught with E400.
E517	BMP Design for Healthy Urban Watersheds		X			R: E545	
E518	Vector-based Geographic Information Systems	X	X	X			Taught with E418 some semesters.
E520	Environmental Toxicology	X					
E522	Urban Forest Management	X					Taught with E422.
E526	Applied Mathematics for Environmental Science		X			R: differential and integral calculus	
E527	Applied Ecology		X				
E528	Forest Ecology and Management	X			Even Fall		
E529	Application of Geographic Information Systems		X			P: E518, or other introductory GIS course with lab, or equivalent practical experience	Taught with E400.
E530	Fundamentals of Sustainable Agriculture	X					Taught with E417.
E534	Restoration Ecology		X			P: E527 or E540 or permission of instructor	
E536	Environmental Chemistry	X				P: undergrad chemistry course with lab	
E537	Environmental Chemistry Lab		X			P: E536	
E538	Statistics for Environmental Science	X					MSES and MPA-MSES students: Credit not given for both E538 and V506.
E539	Aquatic Chemistry		X		Odd Spring	R: E536	
E542	Hazardous Materials	X					
E543	Environmental Management	X		X			Replaces V502 for dual-degree students.
E545	Lake and Watershed Management		X				
E546	Stream Ecology		X		Odd Spring	P: E556 or permission of instructor	Fulfills Capstone requirement for MSES and MPA-MSES.
E550	Soil Science and Management		X			R: one semester of college chemistry	Taught with E400.
E552	Environmental Engineering	X				R: E526, E536	To be taken 2nd or 3rd fall semester.
E554	Groundwater Flow Modeling	X					
E555	Conservation Planning		X		Even Spring		
E555	Intro to Coding for Environment and Policy (1 cr.)		X				
E555	Python Programming for Environment and Policy (1 cr.)		X				
E555	Plant Identification			X			
E555	Sustainable River Management		X		Even Spring		Will be SPEA-E 504 in the future.
E555	Sustaining Urban Ecosystems		X			R: upper level ecology course	
E555	Using R for Environment and Policy (1 cr.)		X			P: E555 Intro to Coding for Env. and Pol.	
E556	Limnology (4 cr.)	X				R: undergraduate courses: general biology, general chemistry with lab	Taught with E455.
E557	Conservation Biology		X		Odd Spring	P: E527 or waiver of E527	
E560	Environmental Risk Analysis		X			P: E538 or V506, or consent of instructor. A firm foundation in math and/or science is useful.	Second or third spring semester, not first. Fulfills Capstone requirement for MSES and MPA-MSES.
E561	Wildlife Techniques	X				R: undergraduate or graduate biology/ecology course	

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E562	Solid and Hazardous Waste Management	X					
E563	Wildlife Management		X			P: E527 or waiver of E527 or permission of instructor	
E564	Organic Pollutants: Environmental Chemistry & Fate		X		Even Spring	R: E536 or undergraduate organic chemistry	
E574	Energy Systems	X					
E579	Readings in Environmental Science	X	X	X		P: Consent of instructor and dept. chairperson	Readings courses are arranged at the discretion of individual faculty.
E582	Summer Study Abroad- Environmental Science			X		See individual course announcements.	Courses are listed in the O'Neill International Office web pages. Check with an advisor for suitability for your concentration(s).
E589	Practicum in Environmental Science	X	X	X		Internship approval required by O'Neill Career Hub prior to enrollment.	
E591	Climate-Change Impacts on Natural Resources	X				P: grad course in ecology, envl policy or envl mgt or waiver of one of these	
E625	Research in Environmental Science	X	X	X		P: Consent of instructor and dept. chairperson	Research courses are arranged at the discretion of individual faculty.
F526	Financial Management for Nonprofit Organizations	X					Will not be taught in fall 2022 residentially. Taught with AADM Y-515.
F542	Governmental Financial Accounting and Reporting	X			Even Fall	P or C: F560	
F560	Public Finance and Budgeting	X	X				
F609	Seminar in Revenue Theory and Administration		X			P: F560	
F610	Government Budgeting & Program Analysis	X				P: F560	
F666	Public Revenue		X		Even Spring		
F667	Seminar in Public Capital and Debt Theory	X				P: F560	
H524	Health Industry Regulation		X				
H525	Health Economics	X					
H526	Healthcare Finance			X			Future scheduling of this course is TBD.
H549	Health Policy		X				
I515	Data Science for Public & Environmental Affairs		X				
I516	Public Management Information Systems		X				
I519	Database Management Systems	X					
L563	Planning and Community Development		X				
L564	Local Government Management	X					
L568	Management of Local Government Services		X				
L622	Local Economic Development	X					
M547	Negotiation and Dispute Resolution for Public Affairs	X					
M561	Public Human Resources Management	X					
M575	Comparative Public Management		X		Even Spring		Not offered in spring 2022.
M602	Strategic Management of Public and Nonprofit Orgs.		X			P: V502	
M652	Managing Diversity in Public Organizations		X				Not currently offered residentially.
M654	Public Program Management and Contracting	X			Even Fall		
M662	Seminar in Accountability and Performance		X		Even Spring	P: V502	
N521	The Nonprofit and Voluntary Sector	X					
N522	Human Resource Management in Nonprofit Orgs.		X				Usually co-taught with V450. Not offered in spring 2022.
N523	Civil Society and Public Policy		X				
N525	Management in the Nonprofit Sector		X			C: N521	Not offered in spring 2023. Students needing this course for graduation will be notified of alternative offerings.
N534	NGO Management for International Development	X					Taught with V434.
N557	Proposal Development and Grant Administration		X				Not offered in spring 2022.
N558	Fund Development for Nonprofits	X					
P507	Data Analysis and Modeling in Public Affairs		X			P: E538 or V506	
P539	Management Science for Public Affairs		X		Odd Spring	P: E538 or V506	
P541	Benefit-Cost Analysis		X			P: V517 or consent of instructor	

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P562	Public Program Evaluation	X	X				
R512	Climate Law and Policy						Not currently scheduled.
R513	Wildlife Law	X			Odd Fall	R: V540 (before or during)	Taught at the Law School. Typically taught every two years.
R519	Food Systems and Community Resilience		X				
R521	Domestic Environmental Policy	X					Not offered in fall 2022.
R531	Water Law		X				Taught at the Law School. Typically taught once a year.
R532	Water Policy and Economics	X				R: V517	
R533	Public Natural Resource Law	X			Even Fall	R: V540 (before or during)	Taught at the Law School. Typically taught every two years.
R535	International Environmental Policy	X					
R563	Sustainability in a Tri-Sectoral World		X				
R564	Environmental and Natural Resource Policy Design and Implementation	X			Even Fall	P: V517	
R625	Environmental Economics and Policy		X			P: V517	
R626	Energy Policy Seminar	X			Odd Fall	P: E574	
R643	Natural Resource Management and Policy	X					
R645	Environmental Law		X				
R674	Energy Economics and Policy		X			P: V517	
S515	Sustainable Communities	X					
S596	Sustainable Development		X		Even Spring		
V506	Statistical Analysis for Effective Decision Making	X	X				
V512	Public Policy Process	X	X				
V517	Public Management Economics	X	X				
V532	Social Equity and Justice (1.5 credits)	X	X				8-weeks course. Currently listed as a topics course, SPEA-V 550.
V535	Managing and Leading Public Affairs	X	X				Currently listed as a topics course, SPEA-V 550.
V536	Rights and Responsibilities: How Law Shapes Public Affairs (1.5 credits)	X	X				8-weeks course. Currently listed as a topics course, SPEA-V 550.
V537	Designing and Managing Complex Projects (1.5 credits)	X	X				8-weeks course. Currently listed as a topics course, SPEA-V 550.
V538	Comparative and International Policy Process	X	X				
V548	Evidence-Based Decision-Making (1.5 credits)	X	X				8-weeks course. Currently listed as a topics course, SPEA-V 550.
V550	Topics in Public Affairs	X	X	X			See Current Student Portal for information on available topics courses.
V559	Principles and Practices of Social Entrepreneurship		X		Even Spring		
V580	Readings in Public Affairs	X	X	X		P: Consent of instructor and dept. chairperson	Arranged at the discretion of individual faculty.
V582	Overseas Topics in Public Affairs	X	X	X		See individual course announcements.	See Current Student Portal for information on course approvals.
V585	Practicum in Public Affairs	X	X	X		Internship approval required by O'Neill Career Hub prior to enrollment.	
V590	Research in Public Affairs	X	X	X		P: Consent of instructor and dept. chairperson	Research courses are arranged at the discretion of individual faculty.
V600	Capstone in Public and Environmental Affairs	X	X				
X511	Human Behavior and Energy Consumption		X				Not currently scheduled. Cross-listed as SPEA-E 501.
Y500	Arts Education Policy		X				
Y500	Arts Entrepreneurship		X				
Y500	Arts Writing and Advanced Marketing	X					
Y500	Graphic Design	X					
Y500	Seminar in Rural and Grassroots Arts	X	X				
Y502	Intro to Arts Admin and Organizational Behavior	X					
Y504	Arts Organizations in the Public and Private Sectors		X				

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Y505	Programming in the Performing Arts					Not currently scheduled	
Y506	Curating in Galleries and Museums	X					
Y508	Performing Arts Organization Management		X				
Y511	Performing Arts Center Management	X					
Y515	Financial Management for the Arts	X					Offered with SPEA-F 526.
Y525	Museum Management		X				
Y530	Audience Development and Marketing the Arts		X				
Y550	Practicum in Arts Administration	X	X	X			
Y551	Cultural Planning and Urban Development		X				
Y558	Fund Development in the Arts		X				
Y559	Public Policy and the Arts	X					
Y562	Legal Issues in the Arts	X					
Y650	Seminar in Arts Administration	X					
Y680	Readings in Arts Administration	X	X	X		P: Consent of instructor and dept. chairperson	
Y690	Independent Study in Arts Administration	X	X	X		P: Consent of instructor and dept. chairperson	
Y750	Internship in Arts Administration	X	X	X			Students should register for AADM-Y 750 either in the summer between their second and third semesters, or in the spring following the third semester in the program.