

Students with an approved waiver for PUP 542 must take an alternate environmental planning course. Refer to the following list of pre-approved environmental planning courses while planning your coursework. Some courses are offered outside of SGSUP and therefore are subject to change. **Please view the [Schedule of Classes](#) for the most current course offerings, descriptions, and prerequisites.**

A maximum of 6.0 credits of 400-level elective coursework may be included on the plan of study.

Subject	Catalog Number	Course Title	Credit Hours	Course Description
GPH	563	Urban Climates	3.0	Explores the urban climate system and its relationship with the built infrastructure of cities, including the causes, consequences and mitigation options for urban heat islands. Topics include the urban energy balance; materials in the urban environment; waste heat from energy consumption in cities; scales of urban-influenced climate modification; and implications for human comfort/health, air quality and energy consumption. Intended for graduate students in geographical sciences, urban planning, design, engineering, and related disciplines interested in learning about the urban climate system.
PAF	546	Environmental Policy and Management	3.0	Analyzes environmental policy and planning issues and principles related to the analysis and management of natural and urban/regional resources.
PUP	548	Global Perspectives on Urban Resilience Planning	3.0	Theory and applications connecting sustainability sciences and practice to urban environmental planning. Sustainable urban development, restoration, and preservation.
PUP	550	Transportation and the Environment	3.0	Examines transportation planning from the perspectives of land use planning, economic development, environmental planning, and social needs.
PUP	565	Sustainable Urbanism	3.0	Examines the history, theory and practice of 'sustainable urbanism,' now defined by reform movements such as new urbanism, ecological urbanism, smart growth, and livable cities.
SOS	508	Pathways to Sustainability	3.0	Covers fundamentals of sustainability and sustainability science. Gives beginning graduate students, or prospective graduate students, a broad look at sustainability that prepares them for future coursework in the field. As such, exposes students to concepts, tools and approaches for achieving sustainability outcomes. Explains, in detail, the essential competencies a student of sustainability must attain in order to be appropriately equipped for graduate coursework and/or working in the field. Finally, it examines sustainability leadership; that is, how to move from the what and the why of sustainability challenges to the how to use knowledge and skills to initiate sustainability solutions in various organizations.
SOS	509	Leading Sustainability Transitions	3.0	The vast majority of organizations must significantly change their operational models in order to become sustainable. Leaders must determine how to champion this change, generate momentum, and align internal reward systems to facilitate these transitions. Exposes students to different change models that are applicable to private, public

				and nonprofit organizations. Introduces a variety of practical cases that serve as a foundation to apply different frameworks that help transition organizations toward being sustainable.
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SOS	527	Environmental Ethics and Policy Goals	3.0	Advanced seminar in applied environmental ethics, focusing on the most influential and policy-relevant approaches in the field of environmental ethics. Core topics include the historical and philosophical foundations of alternative understandings of environmental responsibility; the debate over utility and preservation in environmental policy argument; and the interplay of ethical principles, scientific knowledge and societal priorities in environmental decision making. Consideration of the ethical and value dimensions of biodiversity conservation, wilderness protection, environmental valuation, environmental activism, climate change and sustainability, among other challenges.
