

The following list includes options for coursework within four general areas of specialization. This is not a comprehensive list; students may choose from this list or consult with their faculty advisor. Courses offered outside of SGSUP are subject to change. View the [Schedule of Classes](#) for the most current course offerings.

Human & Environment

GCU 510	Solar Energy & Public Policy
GCU 515	Human Migration
GCU 526	Sustainability Science
GCU 591	Seminar: Comparative Immigration
GCU 591	Seminar: Human Environmental Science
GCU 591	Seminar: Recycling Energy Landscapes
GCU 591	Seminar: Urban Food Systems
GCU 598	Special Topic: Economic Geography
GCU 598	Special Topic: Landscape, Place and Memory
GCU 598	Special Topic: Migration Environmental & Global Security
GCU 598	Special Topic: Society and Natural Resources
GPH 598	Special Topic: Conservation in Practice

Earth Systems & Climate Science

GLG 591	Seminar: Geomorphology
GPH 511	Fluvial Processes
GPH 563	Urban Climates
GPH 591	Seminar: Climate Change and Health
GPH 598	Special Topic: Aeolian Geomorphology
GPH 598	Special Topic: Air Quality Science & Policy
GPH 598	Special Topic: Close-range Remote Sensing
GPH 598	Special Topic: Dynamic Meteorology I
GPH 598	Special Topic: Human & Social Dimensions of Climate Change
GPH 598	Special Topic: Radar/Satellite Meteorology

GPH 598 Special Topic: Synoptic Meteorology I

GIScience & Spatial Data Analytics

GIS 494 Special Topic: GIS for Climate Change Science

GIS 494 Special Topic: GIS and Public Health

GIS 561 Fundamentals of Spatial Optimization

GIS 562 Location Analysis and Modeling

GIS 563 Local Statistical Modeling

GIS 591 Seminar: Data Mining & Data-Driven Geography

GIS 598 Special Topic: Geodesign and Urban Planning

GIS 598 Special Topic: Geodesign and Urban Planning Practicum

GPH 569 Digital Analysis of Remotely Sensed Data

GPH 591 Seminar: Advanced Spatial Analysis

GPH 598 Special Topic: Advanced Digital Analysis

GPH 598 Special Topic: Close-range Remote Sensing

Urban Studies

GCU 542 Geographical Analysis of Transportation

GIS 598 Special Topic: Campus Transportation Planning

PUP 501 Planning History and Theory

PUP 510 Public Participation Planning

PUP 515 International Planning & Development

PUP 520 Planning Practice, Ethics & Processes

PUP 525 Urban Housing Issues

PUP 531 Planning and Development Control Law

PUP 542 Environmental Planning

PUP 544 Urban Land Use Planning

PUP 548 Global Perspectives on Community Resilience

PUP 550 Transportation and the Environment

PUP 553 Urban Infrastructure Anatomy

PUP 564 Transportation Systems Professional Seminar

PUP 565	Sustainable Urbanism
PUP 591	Seminar: City Building in a Global Context
PUP 591	Seminar: Urban Food Systems
PUP 598	Special Topic: Campus Transportation Planning
PUP 598	Special Topic: Environment, Justice & Cities
PUP 598	Special Topic: Geodesign and Urban Planning
PUP 598	Special Topic: Geodesign and Urban Planning Practicum
PUP 598	Special Topic: Theory of Urban Design
PUP 598	Special Topic: Transportation and Land Use
PUP 598	Special Topic: Tribal Community Planning
PUP 642	Urban & Regional Economic Analysis