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PLG 202: Cities of the World: An International City Planning Perspective (3 units)

Description: More than half of humanity lives in cities. This course surveys international cities to help students understand the world's urban systems, global variations in urban environments, and the diversity in organization and functioning of cities. Using a case study methodology, the class compares and contrasts contemporary paths of urban development. Students gain an introduction to a variety of urban forms and approaches to sustaining the urban environment worldwide. The class examines the interplay between human activities and land, water, and energy policies that shape the use of urban resources to produce the built environment. Students will be introduced to the tasks and methods of urban planning and consider what determines variations in urban design, land use, transportation, energy use, water consumption, infrastructure plans, economic development, and urban social functions. Students will learn about improving the quality of urban environments by comparing contemporary cities, both industrialized and developing cities.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Fall, Spring, Summer

General Education: Tier 2 Individuals & Societies

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 211: Sex in the City (3 units)

Description: This class is designed to illuminate how gender - as an identity - and sex - as a series of public and private activities, a commodity or economic determinant, and a part of identity - shape urban communities and are themselves shaped by urban planning. This class explores the implications of what it means to plan for different people in a variety of urban contexts- e.g., transportation safety, homeless women shelters, perceived fear of public space, design of public parks, accessibility of groceries- while addressing the overarching questions: . Who plans for cities? And whom are cities planned for?. How are communities shaped by urban planning and policy?. Why should we think about the different ways people experience, use, and are shaped by cities? And, . Why does it matter to think about gender in the context of urban planning? This course investigates a wide range of domestic and international topics that relate gender and sex to urban planning and policies. Urban planning is a broad, interdisciplinary field that is concerned with public space- approached from a variety of disciplines that consider various types of infrastructure & facilities (e.g., transportation, water & wastewater, communications, buildings & land development) and public policy (e.g., health, economic development, intergovernmental relationships, environmental policy). Each week, students will (a) read a significant work related to a gender and urban planning topic; (b) watch/experience/read a paired example from the popular media (e.g., TV, movies, podcast, recent news or opinion piece); (c) synthesize this information and think critically about concepts that society often takes as 'normal' and unquestioned, and; (d) respond and participate in discussions and short writing exercises. You do not need to have previous knowledge about urban planning to succeed in this class. To pass you will need an interest in critical inquiry, an open mind, and the ability to dedicate sufficient time to reading and course work. My goals as the instructor of this course are to encourage critical thought, to provide foundational information on topics covered, and to further develop your academic writing skills.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall, Spring, Summer

General Education: Tier 2 Individuals & Societies

PLG 256: Sustainable Cities and Societies (3 units)

Description: Urbanization and cities within the sustainability framework. Global urbanization, social justice, environmental equity, growth management, "the new urbanism." International cases. Web based projects.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: GEOG 256, PLG 256, PLN 256

Also offered as: GEOG 256, RNR 256

Course typically offered:

Main Campus: Fall, Spring

General Education: Tier 2 Individuals & Societies

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 301: Introduction to Regional Planning (3 units)

Description: Introduction to the principles and techniques used for planning in metropolitan and rural regions.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: GEOG 301

Course typically offered:

Main Campus: Fall, Spring, Summer

Field trip: Field trip.

PLG 379: Urban Growth and Development (3 units)

Description: Location patterns in urban areas and processes of growth; historical development of U.S. cities, rent theory, housing markets, commercial and industrial location, the role of transportation, urban finance, New Urbanist planning and sustainable development concepts.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: PLAN 379, PLG 379, PLN 379, PLNG 379

Also offered as: GEOG 379

Course typically offered:

Main Campus: Fall, Spring

Home department: School of Geography and Development

PLG 399: Independent Study (2 - 5 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 401A: Planning Theory and Practice (3 units)

Description: This course is designed for advanced undergraduate students seeking careers in urban/regional planning, architecture, real estate development, and related fields. The primary objective of the course is to introduce students to the planning profession and the tracks of study within the University of Arizona's Planning Degree Program. Some of the topics covered during the semester include: the scope and objectives of urban planning; the evolution of the city and the profession of planning; ethics in planning; the place of planning within the government and the law; and selected topics of interest to planners.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: GEOG 401A

Co-convened with: PLG 501A

Course typically offered:

Main Campus: Fall

PLG 401B: Introduction to Planning (3 units)

Description: The second of a two-course sequence, this course is designed for first year graduate students, although well suited for advanced undergraduate students who are seeking careers in urban/regional planning, architecture, landscape architecture, real estate development, and related fields. The primary objective of the course is to introduce students to the planning profession. Some of the topics covered include: history of planning, land use planning, growth management, and the ethics of planning.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: GEOG 401B, PLN 401B

Also offered as: GEOG 401B

Co-convened with: PLG 501B

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 402: Sustainable Regional Planning (3 units)

Description: This course will provide an introduction to the history, tools, and future of sustainable regional planning. The main focus of the course is on developing an understanding of the complex issues associated with urbanization and exploring the ways in which planning principles and working tools can be applied to address these issues. Climate change, sprawl, and reliance on foreign oil are just a few of the challenges we face in designing new-and adapting existing-communities to be greener.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Co-convened with: PLG 502

Course typically offered:

Main Campus: Fall, Spring

PLG 408: Planning for Urban Resilience (3 units)

Description: Cities are on the frontlines of climate change as the built environment is impacted by increasing sea level rise, floods, drought, wildfires and urban heat. This course explores the challenges and opportunities of planning and designing the built environment for climate adaptation and resilience. Urban resilience is the capacity of cities and their interconnected systems to survive, adapt, and thrive no matter what chronic stresses and acute shocks they experience. Students will learn a range of climate impacts on the built environment, examine different planning and design strategies to increase urban resilience, and explore real world case studies of cities planning for urban resilience. Urban resilience will be considered through a variety of planning and design scales - buildings, landscapes, neighborhoods, cities, and regions. This course emphasizes inclusive planning processes that engage the most vulnerable populations to climate impacts. Guest lectures from researchers and practitioners will also be featured to share their professional experiences in connecting climate science to planning and design efforts.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: PLG 508

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 409: Due Diligence and Entitlements (3 units)

Description: This course provides students a review of the legal principles that inform and regulate the due diligence and entitlement process that is the basis of every successful real estate transaction.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: LAW 409, RED 409

Co-convened with: RED 509

Course typically offered:

Main Campus: Fall

Home department: School of Landscape Architecture and Planning

PLG 410: Comparative Planning: Past, Present, and Future (3 units)

Description: Designed for planning students who expect to practice in a variety of national planning systems. The objective of this course is to provide a comparative survey of domestic planning systems in an international context. Additional topics covered include variations in the powers of local units of government and analysis of interjurisdictional competencies and conflicts.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: GEOG 410

Co-convened with: PLG 510

Course typically offered:

Main Campus: Fall

PLG 411: Women in the City (3 units)

Description: This class is designed to illuminate how women, and their families, interact in the urban and suburban areas that comprise the modern city, the special urban challenges they face as women, and how the nexus of sex, race, and class plays out in modern sprawling cities. The ultimate objective of the readings and discussions is an assessment of the public policy and planning implications of the observed patterns and trends. The course is geared to upper-division and graduate students in a wide range of disciplines and professions: geography, planning, psychology, women's studies, political science, public administration, civil engineering, sociology, economics, anthropology...and more.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: PLG 511

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Course examines the theory and practice of comprehensive and strategic planning for urban and regional development. The tradition of strategic planning in corporations and other public and no-for-profit organizations, leading to the "situation change" criterion, is studied. In a parallel manner, the even older traditions of comprehensive planning, leading to the appropriately comprehensive criterion will be studied. When possible, students will be able to do hands-on planning at either the comprehensive or strategic planning levels.

Main Campus: Fall, Spring

Main Campus: Spring

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 450: Green Infrastructure (3 units)

Description: The goal of this course is the advancement of students' knowledge and capabilities regarding Green Infrastructure concepts and the issues and techniques involved in implementation of Green Infrastructure. The course provides an overview as well as more in-depth coverage of the science, practical context, and creation of Green Infrastructure. The built environment of arid regions is emphasized, with Tucson Case Studies providing practical focus to content and learning objectives. The term Green Infrastructure, as used in this course, aligns with the following EPA description: "Green infrastructure uses vegetation, soils, and natural processes to manage water and create healthier urban environments... at the scale of a neighborhood or site, green infrastructure refers to stormwater management systems that mimic nature by soaking up and storing water." The course features lectures, interactive discussions and presentations, and guest presentations and tours led by experts in their fields. Students take a series of quizzes, a mid-term and a final exam, along with a number of homework assignments / exercises. A special research report is required of Graduate Students.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: ENVS 450, LAR 450, SBE 450

Co-convened with:

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Prior coursework in related fields is recommended along with familiarity with office productivity software tools (Excel & PowerPoint) along with research, analytic, and writing skills.

Field trip: A number of potential tours are proposed to allow students to engage with applied contexts and professionals in the field.

Home department: Environmental Science

Honors Course: Honors Contract

Honors Course: Honors Contract

Student Engagement Activity: Discovery

Student Engagement Competency: Sustainability

PLG 453: Locational Analysis (3 units)

Description: Industrial location theory and location factors, consumer travel behavior and market areas, geography of economic impacts, location of public facilities.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: PLAN 453, PLG 453, PLN 453, PLNG 453

Also offered as: GEOG 453

Course typically offered:

Main Campus: Fall

Home department: School of Geography and Development

Writing Emphasis: Writing Emphasis Course

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 456: The American City (3 units)

Description: An integrated approach to the built environment with special emphasis on the historical, social, and political aspects of American urban development.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Equivalent to: PLAN 456, PLG 456, PLN 456, PLNG 456

Also offered as: GEOG 456

Course typically offered:

Main Campus: Fall

Home department: School of Geography and Development

Student Engagement Activity: Discovery

Student Engagement Competency: Civic and Community

Writing Emphasis: Writing Emphasis Course

PLG 457: Statistical Techniques in Geography, Regional Development and Planning (3 units)

Description: Methods of gathering and analyzing data for the solution of geographical, urban, and regional planning problems, with emphasis on quantitative and statistical techniques used in spatial analysis and cartography, on the one hand, and program planning, on the other.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$50

Course Components:	Laboratory Lecture	May Be Offered Required
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Equivalent to: PLAN 457, PLG 457, PLN 457, PLNG 457

Also offered as: GEOG 457, GIST 457

Co-convened with: PLG 557

Course typically offered:

Main Campus: Fall

Home department: School of Geography and Development

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 459: Land Use and Growth Controls (3 units)

Description: Lecture/seminar class designed for graduate planning students. Looks at basic and advanced land use, the tools utilized for land use planning, and the methodology of land use planning. Current planning and legal issues dealing with regulation of growth, the sequence of growth, and the limiting of growth are analyzed. Issues of equity in controlling land use are also explored.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: GEOG 459, PLAN 459, PLN 459, PLNG 459

Also offered as: GEOG 459

Co-convened with: PLG 559

Course typically offered:

Main Campus: Spring

PLG 460: Land Use Law (3 units)

Description: Review of the principal legal devices available to implement planning decisions on community design (official map, subdivision control), the use of land (nuisance, covenants and zoning) and housing needs (including urban renewal). Special attention will be paid to the significance and legal effect of a comprehensive plan and to the social and economic effects of planning decisions.

Grading basis: Regular Grades

Career: Undergraduate

Campus: University of Arizona - Main

Course Components: Lecture Required

Also offered as: LAW 460

Co-convened with: PLG 560

Course typically offered:

Main Campus: Fall, Winter, Spring, Summer

Online Campus: Fall, Winter, Spring, Summer

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 461: Environmental and Resource Geography (3 units)

Description: Examines physical resources (e.g. distribution, quantities, and availability) and the human factors which may contribute to their completion and deterioration as well as protection and maintenance.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: HWRS 461, LAS 461, PLAN 461, PLG 461, PLN 461, PLNG 461, WRA 461

Also offered as: EVS 461, GEOG 461, HWRS 461, LAS 461

Course typically offered:

Main Campus: Spring

Home department: School of Geography and Development

Writing Emphasis: Writing Emphasis Course

PLG 462A: Public Transit Planning and Operations (3 units)

Description: [Taught odd-numbered years] Development, operation, management, financing, evaluation and travel demand estimation for urban public transportation systems.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: PLG 462A

Also offered as: CE 462A

Co-convened with: PLG 562A

Home department: Civil and Architectural Engineering and Mechanics

PLG 464: Preservation Planning Issues (3 units)

Description: Course reviews preservation policy and jurisdictional issues at national, state, and local levels in relationship to emerging preservation and development trends. Students will become familiar with available preservation planning tools and their application.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: PLG 564

Course typically offered:

Main Campus: Spring

Enrollment requirement: Junior & Senior status only.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 468: Urban Transportation Planning (3 units)

Description: Transportation planning in relation to urban development; techniques and procedures for developing long-range regional plans. Usually offered every third semester beginning Fall 2002.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: CE 468, PLAN 468, PLN 468, PLNG 468

Also offered as: CE 468

Co-convened with: PLG 568

Course typically offered:

Main Campus: Fall

PLG 469: Transportation & Land Use (3 units)

Description: Transportation and Land Use (T&LU) is an elective course to satisfy the Transportation Concentration requirements for the Masters in Planning program within the College of Architecture, Planning and Landscape Architecture (CAPLA). The objective of this course is to introduce planning students, and those from other majors and programs, to concepts and methods used in the arena where transportation planning and land use development intersect. This course will discuss various theories related to linking transportation investments, land use, and travel behavior, and will consider policy approaches used to address urban planning issues such as congestion, automobile dependence, and planning for infrastructure investments.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: PLG 569

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 471: Problems in Regional Development (3 units)

Description: Topical issues in regional development, with emphasis on policy in diverse contexts and case study analysis.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: AEC 471, AISD 471, AREC 471, PLAN 471, PLG 471, PLN 471, PLNG 471

Also offered as: AREC 471, GEOG 471

Co-convened with: PLG 571

Course typically offered:

Main Campus: Spring

Home department: School of Geography and Development

Student Engagement Activity: Professional Development

Student Engagement Competency: Professionalism

Writing Emphasis: Writing Emphasis Course

PLG 472: Environmental Land Use Planning (3 units)

Description: This course focuses on the complex linkages between human and natural systems. Environmental planning utilizes methodologies which are systematic, iterative, and transparent and relies on integrating a wide spectrum of contemporary environmental issues in order to achieve more sustainable land use outcomes. As an interdisciplinary course, it draws from the fields of planning, geography, design, land use law, public policy, economics, natural science, and engineering among others. This course aims to equip students with a broad knowledgebase which focuses on landscape components and processes. Further, students will develop the necessary land use analysis and management skills in order to help guide land use decision making, engage stakeholders, and minimize/mitigate conflict between natural and built systems in an effort to produce more sustainable land use patterns and plans.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: PLG 472

Also offered as: RNR 472

Co-convened with: PLG 572

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 473: Transportation & Society (3 units)

Description: This course facilitates student exploration of key concepts and issues related to how transportation systems impact cities and communities. Students will explore ways that transportation systems both in the United States and around the world affect urban growth and development, economic performance, public health outcomes, social equity and social justice, and the natural environment.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Co-convened with: PLG 573

Course typically offered:

Main Campus: Fall, Winter, Spring, Summer

Field trip: none

PLG 476: The Land Development Process (3 units)

Description: A case-oriented approach to site selection, rezoning, financing, architectural design, economic feasibility, and other facets of the land development process.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Repeatable: Course can be repeated a maximum of 2 times.

Equivalent to: GEOG 476, PLAN 476, PLN 476, PLNG 476

Also offered as: GEOG 476

Co-convened with: PLG 576

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Consult department before repeating this course.

Field trip: Field trip

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 483: Geographic Applications of Remote Sensing (3 units)

Description: Use of aircraft and satellite imagery for monitoring landforms, soils, vegetation and land use, with the focus on problems of land-use planning, resource management and related topics.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$50

Course Components: Lecture Required

Equivalent to: PLAN 483, PLN 483, PLNG 483, RNR 483, SWES 483

Also offered as: ENVS 483, GEOG 483, GIST 483, RNR 483

Co-convened with: PLG 583

Course typically offered:

Main Campus: Spring

Online Campus: Spring

Home department: School of Geography and Development

Enrollment requirement: GEOG/GEN/GEOS/ENVS/WSM/GIST 330.

Student Engagement Activity: Discovery

Student Engagement Competency: Interdisciplinarity

PLG 485: Foundations of Economics for Planning and Real Estate Development (3 units)

Description: This is a core course that focuses on suite of economic approaches that broaden planners' and developers' ability to make informed economic decisions from the perspective of the public sector.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Also offered as: RED 485

Co-convened with: PLG 585

Course typically offered:

Main Campus: Fall

Home department: School of Landscape Architecture and Planning

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 495A: Geodesign: Geographic Information and Tools for Planning and Design (3 units)

Description: Geodesign is a rapidly evolving approach which integrates geographic science into the planning and design process. The burgeoning development of Geodesign is resultant from the ongoing innovations in geographic information and geospatial technologies, and to explore their applications in landscape planning and design.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Colloquium Required

Repeatable: Course can be repeated a maximum of 2 times.

Co-convened with: PLG 595A

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Prerequisites: LAR/PLG 570 or GEOG 416C or other introductory GIS

PLG 496A: Urban Social Issues (3 units)

Description: The course focuses on the social dimension of North American cities, especially at community and neighborhood scales. Topics covered include poverty and deprivation, residential segregation, environmental justice and the role that urban planners play in shaping access to public space through land use controls and urban design.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Seminar Required

Co-convened with: PLG 596A

Course typically offered:

Main Campus: Spring

PLG 497D: Graphic Skills (1 unit)

Description: This course is an introductory examination of graphic tools, techniques, and technologies used by planners and other design professionals. An overview of tools and methodologies will be presented. The course is conducted in a workshop format, to build a basic understanding and elemental proficiency in graphics through practice. Projects and exercises will be used to help students gain a basic proficiency in communications using graphic media. Traditional methods including drafting, plan graphic development and reproduction techniques will be explored along with contemporary computer aided presentations technologies.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Co-convened with: PLG 597D

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 497E: Public Presentation (1 unit)

Description: This one-hour course is one of a series of modules designed to help students learn basic planning techniques necessary for success in their academic and professional careers. This module will provide students with presentation techniques and help them identify areas of difficulties in their own presentation styles.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Course typically offered:

Main Campus: Spring

PLG 497J: Documentation and Interpretation of the Historic Built Environment (3 units)

Description: Examines methods to document buildings, districts and cultural landscapes and methods to interpret historical and architectural significance. Focuses on historic built environments of Greater Southwest including semester-long service-learning project applying documentation and interpretation methodologies.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Equivalent to: LAR 497J, PLG 497J, PLN 497J

Also offered as: ARC 497J, LAR 497J

Co-convened with: PLG 597J

Course typically offered:

Main Campus: Spring

Recommendations and additional information: ARC 471F or consent of instructor.

Home department: School of Landscape Architecture and Planning

Enrollment requirement: ARC 471F

Student Engagement Activity: Community Partnership

Student Engagement Competency: Diversity and Identity

PLG 497O: Writing for Planners (1 unit)

Description: A critical examination of the problems in written communications by professional planners. Emphasis is on developing enduring personal remedial strategies.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Co-convened with: PLG 597O

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 497Q: Public Participation and Dispute Resolution (3 units)

Description: Public participation is both ethically and legally a fundamental component of planning decision making processes. This course explores a wide variety of public participation methods and tools, what to expect from working with the public, and how to handle disputes that arise. Students will be given a variety of public participation tools and then utilize them as a team in a real life public participation project over the semester. This course is designed for undergraduate and graduate students with no prior background or experience in the fields of public participation, negotiation, or dispute resolution.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Co-convened with: PLG 597Q

Course typically offered:

Main Campus: Fall

PLG 497R: Grant Writing (1 unit)

Description: This one unit course is one of a series of modules designed to help you learn basic planning techniques necessary for success in your academic and professional career. This module will provide students with grant writing skills.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Co-convened with: PLG 597R

Course typically offered:

Main Campus: Spring

PLG 497S: Sustainable Urban Development and Design (3 units)

Description: Examines contemporary competition between environment, resources (water, energy), social equity, and economic viability in the community development and revitalization arena. Public policy, planning initiatives, design strategies and technical solutions that bridge the conflicting agendas are analyzed. Field investigation of contemporary cases. Appropriate for students specializing in planning, architecture and landscape architecture.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Equivalent to: GEOG 497S, PLN 497S

Also offered as: GEOG 497S

Co-convened with: PLG 597S

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 497V: Affordable Housing and Community Development (3 units)

Description: The course focuses on housing and community development issues. Its purpose is to understand the nature of housing development, particularly for the lower income sectors of the community, and its relation to community development.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Workshop Required

Also offered as: ARC 497V

Co-convened with: PLG 597V

Course typically offered:

Main Campus: Fall

PLG 498: Senior Capstone (1 - 3 units)

Description: A culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Senior standing required.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Course typically offered:

Main Campus: Fall, Spring

PLG 499: Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 499H: Honors Independent Study (3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

PLG 500: Ecosystemology for Urban Planning (3 units)

Description: Introduction to conceptual tools used in complex ecosystems, particularly cities and urban areas; integration of human residents with larger natural systems (human ecology); environmental impact assessment (EIA) and statement (EIS). Water resource planning and impact on regional ecosystems; technical, legal, ethical dimensions of water transfer.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: PLAN 500, PLG 500, PLN 500, PLNG 500

Also offered as: HWRS 500

Home department: Hydrology and Atmospheric Sciences

PLG 501A: Planning Theory and Practice (3 units)

Description: This course is designed for advanced undergraduate students seeking careers in urban/regional planning, architecture, real estate development, and related fields. The primary objective of the course is to introduce students to the planning profession and the tracks of study within the University of Arizona's Planning Degree Program. Some of the topics covered during the semester include: the scope and objectives of urban planning; the evolution of the city and the profession of planning; ethics in planning; the place of planning within the government and the law; and selected topics of interest to planners. Graduate-level requirements include one additional project and leading in-class exercises.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: GEOG 501A

Co-convened with: PLG 401A

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 501B: Introduction to Planning (3 units)

Description: The second of a two-course sequence, this course is designed for first year graduate students, although well suited for advanced undergraduate students who are seeking careers in urban/regional planning, architecture, landscape architecture, real estate development, and related fields. The primary objective of the course is to introduce students to the planning profession. Some of the topics covered include: history of planning, land use planning, growth management, and the ethics of planning. Graduate-level requirements include writing an additional paper.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: GEOG 501B

Co-convened with: PLG 401B

Course typically offered:

Main Campus: Spring

PLG 502: Sustainable Regional Planning (3 units)

Description: This course will provide an introduction to the history, tools, and future of sustainable regional planning. The main focus of the course is on developing an understanding of the complex issues associated with urbanization and exploring the ways in which planning principles and working tools can be applied to address these issues. Climate change, sprawl, and reliance on foreign oil are just a few of the challenges we face in designing new-and adapting existing-communities to be greener. Graduate-level requirements include an additional term paper and presentation.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Co-convened with: PLG 402

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: This course will show the multi-disciplinary nature of urban development and redevelopment, and the role of development professionals with planning and/or business backgrounds to facilitate collaborations toward the common objective of using public resources to leverage private investment consistent with public objectives. The course will also endeavor to have students develop a succinct but informative approach to communicating reasonably complex financial analyses for diverse audiences. It is hoped that this course will enable students to become leaders in shaping and implementing policies aimed at making the built environment more equitable and responsive to society's needs. This course provides students with the basic tools needed to craft innovative solutions that leverage public resources to advance society's needs.

Career: Graduate

Course Components:	Lecture	Required
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Also offered as: RED 502A

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Graduate level standing and enrollment in the MRED program. Students enrolled in MS Planning Program to enroll with department consent only.

Home department: School of Landscape Architecture and Planning

Description: There is an interest in assuring that real estate development of the future is more socially, environmentally, and economically responsible than in the past. Emerging research shows that responsible real estate development can produce competitive short-term and superior long-term financial returns. This survey course will review sweeping changes occurring in real estate development, including the role of various real estate professionals and activities in responding to these changes responsibly.

Career: Graduate

Course Components:	Lecture	Required
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Also offered as: RED 507

Co-convened with: RED 407

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Undergraduate Seniors interested in taking this course must be SBEBSBE degree (Senior and Senior plus) or obtain instructor consent.

Field trip: Students will visit project sites throughout the semester.

Home department: School of Landscape Architecture and Planning

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 508: Planning for Urban Resilience (3 units)

Description: Cities are on the front lines of climate change as the built environment is impacted by increasing sea level rise, floods, drought, wildfires and urban heat. This course explores the challenges and opportunities of planning and designing the built environment for climate adaptation and resilience. Urban resilience is the capacity of cities and their interconnected systems to survive, adapt, and thrive no matter what chronic stresses and acute shocks they experience. Students will learn a range of climate impacts on the built environment, examine different planning and design strategies to increase urban resilience, and explore real world case studies of cities planning for urban resilience. Urban resilience will be considered through a variety of planning and design scales; buildings, landscapes, neighborhoods, cities, and regions. This course emphasizes inclusive planning processes that engage the most vulnerable populations to climate impacts. Guest lectures from researchers and practitioners will also be featured to share their professional experiences in connecting climate science to planning and design efforts.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Co-convened with: PLG 408

Course typically offered:

Main Campus: Spring

PLG 509: Due Diligence and Entitlements (3 units)

Description: This course provides students a review of the legal principles that inform and regulate the due diligence and entitlement process that is the basis of every successful real estate transaction.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: LAW 509, RED 509

Co-convened with: RED 409

Course typically offered:

Main Campus: Fall

Home department: School of Landscape Architecture and Planning

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Designed for planning students who expect to practice in a variety of national planning systems. The objective of this course is to provide a comparative survey of domestic planning systems in an international context. Additional topics covered include variations in the powers of local units of government and analysis of interjurisdictional competencies and conflicts. Graduate-level requirements include more required reading and are graded on analysis of readings in their logs.

Career: Graduate

Also offered as: GEOG 510

Co-convened with: PLG 410

Main Campus: Fall

Description: This class is designed to illuminate how women, and their families, interact in the urban and suburban areas that comprise the modern city, the special urban challenges they face as women, and how the nexus of sex, race, and class plays out in modern sprawling cities. The ultimate objective of the readings and discussions is an assessment of the public policy and planning implications of the observed patterns and trends. The course is geared to upper-division and graduate students in a wide range of disciplines and professions; geography, planning, psychology, women's studies, political science, public administration, civil engineering, sociology, economics, anthropology...and more. Graduate-level requirements include a final report worth 25% of the student's final grade.

Career: Graduate

Co-convened with: PLG 411

Main Campus: Fall, Spring, Summer

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Course examines the theory and practice of comprehensive and strategic planning for urban and regional development. The tradition of strategic planning in corporations and other public and no-for-profit organizations, leading to the "situation change" criterion, is studied. In a parallel manner, the even older traditions of comprehensive planning, leading to the appropriately comprehensive criterion will be studied. When possible, students will be able to do hands-on planning at either the comprehensive or strategic planning levels. Graduate-level requirements include submission of a readings log worth 40 points.

Main Campus: Fall

Description: This course explores the practical methods used in urban planning from policy analysis to survey development and administration to comprehensive plan making. While many of your initial classes discuss theory and purpose (the why) and others emphasize products and applications (the what), this class provides skill-building in the connecting those two things (the how). Students will be expected to read texts that describe the purpose of various planning analyses, examine the supporting data and research, and explore common approaches to achieving various goals. This class emphasizes the physical practice of finding/making data, doing analysis, and documenting for various public and semi-public audiences "limiting" lecture time" in lieu of practice and doing. As such, students will investigate a variety of urban planning problems and questions by completing tasks such as: analyzing and summarizing research and white-paper reports, searching for and acquiring data, analyzing and graphically displaying data, and documenting results in both inform and formal ways. A portion of this class emphasizes data, methods, and tools used specifically to support comprehensive plan making (e.g., population forecasting, demographic analysis, housing analysis, growth impact analysis, impact fee estimation).

Main Campus: Spring

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 515: Design Studio I (2 - 6 units)

Description: Development of visual and graphic skills; functional, aesthetic, concept-getting; 2D composition; and design theory and criticism.

Grading basis: Regular Grades

Career: Graduate

Course Components: Studio Required

Course typically offered:

Main Campus: Fall

PLG 516C: Urban Geographic Information Systems (3 units)

Description: Introduces concepts and application skills for use of geographic information systems to investigate a range of urban spatial issues and decision-making processes. Emphasis on complete process of GIS-based problem solving, including project planning, spatial data sources/acquisition, preparation/coding, analysis, representation, and communication. Graduate-level requirements include writing an original research papers based on original data collected in the field.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components: Laboratory May Be Offered
Lecture Required

Equivalent to: PLG 516C, PLN 516C, RNR 516C

Also offered as: GEOG 516C, RNR 516C

Course typically offered:

Main Campus: Spring

Recommendations and additional information: GEOG 517 or RNR 517 or consent of instructor.

Home department: School of Geography and Development

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 516D: PPGIS: Participatory Approaches in Geographic Information Science (3 units)

Description: A project-based course focusing on applications and impacts of GIS and other spatial analysis technologies in grassroots community development, participatory decision making, and community-engaged social science. Class format includes discussion seminar, GIS workshop, collaboration, and out-of-classroom community involvement. Graduate-level requirements include writing an original research papers based on original data collected in the field.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components: Laboratory May Be Offered
 Lecture Required

Equivalent to: PLG 516D, PLN 516D

Also offered as: GEOG 516D, RNR 516D

Recommendations and additional information: GEOG 517 or RNR 517 or consent of instructor.

Home department: School of Geography and Development

PLG 516E: Geovisualization (GIS) (3 units)

Description: Introduces principles and practices of Geovisualization (Geoviz) and softwares (Community and ERDAS Image). Graduate-level requirements include an instructor-approved, scholarly paper on a related topic in Geoviz. The paper will be 5-8 double-spaced, typewritten pages and provide a scholarly analysis and critique of a significant real-world Geoviz application.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components: Laboratory May Be Offered
 Lecture Required

Also offered as: GEOG 516E, RNR 516E

Co-convened with: RNR 416E

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: GEOG 516A, GEOG/RNR 517 or consent of instructor.

Home department: School of Geography and Development

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 520: U.S. Housing and Homebuilding (3 units)

Description: This course provides future practitioners with the opportunity to develop expertise with the factors, processes, programs, and stakeholders that influence housing production, housing markets, housing finance, and homebuilding in the United States. To begin, the course explores Federal programs, policies, and stakeholders that underpin a great deal of the market for housing. Building on this, the course analyzes housing affordability and the attendant programs and tools. Then, the course shifts to the house itself and its systems, how they tend to be constructed, and innovation within the homebuilding process. Finally, the course examines housing through a financial lens empirically examining mortgages, valuation, securitization, and default. The development and management of both housing and downtown commercial buildings are heavily rooted in analytical techniques for problem analysis, projection, and evaluation, and communication of this information in public discourse. This course will ask students to analyze decisions made by planners, homebuilders, mortgage market actors, affordable housing developers, and others. It will demand that students communicate clearly about how they arrived at their conclusions including the potential implications of their analyses.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Spring

PLG 529: Introduction to the Built Environment (3 units)

Description: An introduction to major cultural and theoretical issues that have shaped the built environment, including aspects of planning, landscape architecture, and architecture, through a series of in-depth, interdisciplinary, thematic explorations.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: ARC 529, LAR 529

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Admission to the M.Arch, LAR or PLG graduate programs.

Home department: School of Architecture

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 543: Site Analysis (3 units)

Description: This course is intended to be an introduction to the study of the context in which community development takes place. It is intended, within the Masters of Planning program, to introduce students to the concepts surrounding site, site context, site information, discovery and analysis, and site planning and design.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Spring

Recommendations and additional information: Good standing in the Planning Program or by consent of the instructor.

PLG 544: Site Planning (3 units)

Description: Studies relating to design determinants for development of outdoor space.

Lectures and exercises dealing with individual design criticism, including topography, hydrology, climate, and vegetation. Final project summarizing and applying all criteria to a realistic development project is required. Graduate-level requirements include an in-depth research paper focusing on one particular aspect of developing new techniques in the field.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Lecture	Required
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Co-convened with: PLG 444

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 550: Green Infrastructure (3 units)

Description: The goal of this course is the advancement of students' knowledge and capabilities regarding Green Infrastructure concepts and the issues and techniques involved in implementation of Green Infrastructure. The course provides an overview as well as more in-depth coverage of the science, practical context, and creation of Green Infrastructure. The built environment of arid regions is emphasized, with Tucson Case Studies providing practical focus to content and learning objectives. The term Green Infrastructure, as used in this course, aligns with the following EPA description: "Green infrastructure uses vegetation, soils, and natural processes to manage water and create healthier urban environments... at the scale of a neighborhood or site, green infrastructure refers to stormwater management systems that mimic nature by soaking up and storing water." The course features lectures, interactive discussions and presentations, and guest presentations and tours led by experts in their fields. Students take a series of quizzes, a mid-term and a final exam, along with a number of homework assignments / exercises. A special research report is required of Graduate Students.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: ENVS 550, LAR 550, SBE 550

Co-convened with:

Course typically offered:

Main Campus: Fall

Field trip: A number of potential tours are proposed to allow students to engage with applied contexts and professionals in the field.

Home department: Soil, Water, & Environmental Sciences

PLG 551: Infrastructure Finance (3 units)

Description: Addresses infrastructure and community facilities planning in United States metropolitan areas. In particular, it examines the role that local governments play in providing public services, the types of services they provide, and the relationship between public services and land use regulation. These topics are explored from both theoretical and applied standpoints.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Advanced location theory, including such topics as spatial variation in costs and demand; consumer travel behavior; spatial competition and strategic marketing; geography of economic impacts; and the location of public and private facilities. This is a GIS-intensive course.

Career: Graduate

Equivalent to: PLAN 553, PLG 553, PLN 553, PLNG 553

Also offered as: GEOG 553

Course typically offered:

Main Campus: Fall

Recommendations and additional information: RNR 517 or GEOG 517 or equivalent.

Home department: School of Geography and Development

Description: Methods of gathering and analyzing data for the solution of geographical, urban, and regional planning problems, with emphasis on quantitative and statistical techniques used in spatial analysis and cartography, on the one hand, and program planning, on the other. Graduate-level requirements include the completion of several data-intensive research projects.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components:	Laboratory Lecture	May Be Offered Required
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Also offered as: GEOG 557

Co-convened with: PLG 457

Course typically offered:

Main Campus: Fall

Home department: School of Geography and Development

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 559: Land Use and Growth Controls (3 units)

Description: Lecture/seminar class designed for graduate planning students. Looks at basic and advanced land use, the tools utilized for land use planning, and the methodology of land use planning. Current planning and legal issues dealing with regulation of growth, the sequence of growth, and the limiting of growth are analyzed. Issues of equity in controlling land use are also explored. Graduate-level requirements include the completion of a series of research projects.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: GEOG 559

Co-convened with: PLG 459

Course typically offered:

Main Campus: Spring

PLG 560: Land-Use Planning Law (3 units)

Description: Review of the principal legal devices available to implement planning decisions on community design (official map, subdivision control), the use of land (nuisance, covenants and zoning) and housing needs (including urban renewal). Special attention will be paid to the significance and legal effect of a comprehensive plan and to the social and economic effects of planning decisions.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: LAW 560, RED 560

Co-convened with:

Course typically offered:

Main Campus: Spring

PLG 562A: Public Transit Planning and Operations (3 units)

Description: [Taught odd-numbered years] Development, operation, management, financing, evaluation and travel demand estimation for urban public transportation systems. Graduate-level requirements include a project, as an additional requirement over and above the undergrads.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: PLG 562A

Also offered as: CE 562A

Co-convened with: PLG 462A

Course typically offered:

Main Campus: Fall, Spring

Home department: Civil and Architectural Engineering and Mechanics

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Course reviews preservation policy and jurisdictional issues within community development context, addresses complex social equity considerations associated with historic designation, examines economic incentives, and explores preservation philosophy, cross cultural values and emerging trends. Gain skills to connect technical and policy requirements of historic preservation with pragmatic social and economic concerns of community development.

Career: Graduate

Co-convened with:

Course typically offered:

Main Campus: Spring

Description: Population distribution and change; practical methods of demographic analysis, migration, business and planning applications.

Career: Graduate

Equivalent to: PLAN 567, PLN 567, PLNG 567

Also offered as: GEOG 567

Home department: School of Geography and Development

Description: Transportation planning in relation to urban development; techniques and procedures for developing long-range regional plans. Usually offered every third semester beginning Fall 2002. Graduate-level requirements include a research paper or project.

Career: Graduate

Equivalent to: CE 568, PLAN 568, PLN 568, PLNG 568

Also offered as: CE 568, RED 568

Co-convened with: PLG 468

Course typically offered:

Main Campus: Fall

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: Transportation and Land Use (T&LU) is an elective course to satisfy the Transportation Concentration requirements for the Masters in Planning program within the College of Architecture, Planning and Landscape Architecture (CAPLA). The objective of this course is to introduce planning students, and those from other majors and programs, to concepts and methods used in the arena where transportation planning and land use development intersect. This course will discuss various theories related to linking transportation investments, land use, and travel behavior, and will consider policy approaches used to address urban planning issues such as congestion, automobile dependence, and planning for infrastructure investments.

Career: Graduate

Co-convened with: PLG 469

Main Campus: Fall, Spring

Description: An overview of the interdisciplinary paradigms, principles, programs, and players in the field of heritage conservation ranging from local to international contexts. Graduate-level requirements include an in-depth research paper focusing on a particular concept or methodology utilized in preservation practice.

Career: Graduate

Equivalent to: LAR 571F

Course typically offered:

Main Campus: Fall

Home department: School of Landscape Architecture and Planning

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: This course focuses on the complex linkages between human and natural systems. Environmental planning utilizes methodologies which are systematic, iterative, and transparent and relies on integrating a wide spectrum of contemporary environmental issues in order to achieve more sustainable land use outcomes. As an interdisciplinary course, it draws from the fields of planning, geography, design, land use law, public policy, economics, natural science, and engineering among others. This course aims to equip students with a broad knowledgebase which focuses on landscape components and processes. Further, students will develop the necessary land use analysis and management skills in order to help guide land use decision making, engage stakeholders, and minimize/mitigate conflict between natural and built systems in an effort to produce more sustainable land use patterns and plans. Graduate-level requirements include five additional hands-on exercises designed to help graduate students develop skills suitable for professional practice in the field and writing a two page synopsis and critical review of a coastal zone management program.

Career: Graduate

Course Components: Lecture Required

Also offered as: RNR 572

Co-convened with: PLG 472

Course typically offered:

Main Campus: Fall, Spring

Description: This course facilitates student exploration of key concepts and issues related to how transportation systems impact cities and communities. Students will explore ways that transportation systems both in the United States and around the world affect urban growth and development, economic performance, public health outcomes, social equity and social justice, and the natural environment.

Career: Graduate

Course Components:	Lecture	Required
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Co-convened with: PLG 473

Course typically offered:

Main Campus: Fall, Winter, Spring, Summer

Field trip: none

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

Description: A case-oriented approach to site selection, rezoning, financing, architectural design, economic feasibility, and other facets of the land development process. Graduate-level requirements include the completion of a series of research projects.

Career: Graduate

Equivalent to: GEOG 576, PLAN 576, PLN 576, PLNG 576

Also offered as: GEOG 576, RED 576

Co-convened with: PLG 476

Course typically offered:

Main Campus: Spring

Field trip: Field trip

Description: This course provides the statistical and econometric techniques required for the analysis of geocoded data. Identification of spatial heterogeneity and inclusion in a formal regression model. An important aspect of the course is to gain hands-on experience in applying the appropriate techniques and using state-of-the-art software.

Career: Graduate

Flat Fee: \$50

Equivalent to: PLG 577

Also offered as: ECON 579, GEOG 579, STAT 579

Course typically offered:

Main Campus: Spring

Home department: School of Geography and Development

Description: Designed for planning, community design and public health graduate students. Evolution of perception of health and disease is examined from a public health policy and community planning perspective. Stress Agents (stressors) and protective factors that assist in our ability to deal with stressors (supports) are analyzed. Planning and policy implications of the stressor/support model and the health of cities are explored.

Career: Graduate

Course typically offered:

Main Campus: Spring

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 582: Managing to Collaborate on Environmental and Natural Resources Conflicts (3 units)

Description: This course focuses on how to manage collaboration in highly controversial environmental and natural resource conflicts. The course will draw on cases from texts and articles as well as focus on several disputes that have occurred or are ongoing in the American Southwest. The primary goal is to help participants become better consumers and producers of collaborative processes and tools and to encourage thoughtful critique, analysis and evaluation.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: LAW 582, PA 582, RNR 582

Course typically offered:

Main Campus: Spring

Home department: School of Government and Public Policy

PLG 583: Geographic Applications of Remote Sensing (3 units)

Description: Use of aircraft and satellite imagery for monitoring landforms, soils, vegetation and land use, with the focus on problems of land-use planning, resource management and related topics. Graduate-level requirements include the completion of a project report.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components: Lecture Required

Equivalent to: PLAN 583, PLN 583, PLNG 583, RNR 583, SWES 583

Also offered as: ENVS 583, GEOG 583, RNR 583

Co-convened with: PLG 483

Course typically offered:

Main Campus: Spring

Online Campus: Spring

Home department: School of Geography and Development

PLG 585: Foundations of Economics for Planning and Real Estate Development (3 units)

Description: This is a core course that focuses on suite of economic approaches that broaden planners' and developers' ability to make informed economic decisions from the perspective of the public sector.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: RED 585

Co-convened with: PLG 485

Home department: School of Landscape Architecture and Planning

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 595A: Geodesign: Geographic Information and Tools for Planning and Design (3 units)

Description: Geodesign is a rapidly evolving approach which integrates geographic science into the planning and design process. The burgeoning development of Geodesign is resultant from the ongoing innovations in geographic information and geospatial technologies. There exists a consensus that innovations in these areas are critical for planning and design. The goal of this class is to introduce recent development of geographic information and geospatial technologies, and to explore their applications in landscape planning and design.

Grading basis: Regular Grades

Career: Graduate

Course Components: Colloquium Required

Repeatable: Course can be repeated a maximum of 2 times.

Co-convened with: PLG 495A

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Prerequisites: LAR/PLG 570 or GEOG 416c or other introductory GIS

PLG 596A: Urban Social Issues (3 units)

Description: Graduate-level requirements include class presentations.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Co-convened with: PLG 496A

Course typically offered:

Main Campus: Spring

PLG 596B: Water Policy in Arizona and Semi-arid Regions (3 units)

Description: This course focuses on current water policy in Arizona, the Colorado River Basin, and other semi-arid regions from a multi-disciplinary perspective. Through readings, research, lectures, discussions, and presentations, the student is exposed to major, current water resource issues and policies to address them. The professor and guest lecturers draw upon their experiences to demonstrate the development, analysis and implementation of real-world water policy.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Equivalent to: GEOG 596B, HWRS 596B, LAW 596B

Also offered as: ENVS 596B, GEOG 596B, HWRS 596B, LAW 596B

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Consent of instructor is required.

Home department: Soil, Water, & Environmental Sciences

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 597A: Research Methods (3 units)

Description: An interdisciplinary survey of research methods applicable to research in Architecture, Planning, and Landscape Architecture. Graduate-level requirements include an additional assignment of seeking out a granting agency applicable to their research topic and following their application guidelines in the completion of this assignment.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Equivalent to: LAR 597A, PLG 597A, PLN 597A

Also offered as: ARC 597A, LAR 597A

Course typically offered:

Main Campus: Fall

Home department: School of Architecture

PLG 597C: Basic Computer Skills (1 unit)

Description: This one unit course is one of a series of modules designed to help you learn basic planning techniques necessary for success in your academic and professional career. This module will provide students with the ability to utilize the computer for writing, data analysis and communication.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Course typically offered:

Main Campus: Spring

PLG 597D: Graphic Skills (1 unit)

Description: This course is an introductory examination of graphic tools, techniques, and technologies used by planners and other design professionals. An overview of tools and methodologies will be presented. The course is conducted in a workshop format, to build a basic understanding and elemental proficiency in graphics through practice. Projects and exercises will be used to help students gain a basic proficiency in communications using graphic media. Traditional methods including drafting, plan graphic development and reproduction techniques will be explored along with contemporary computer aided presentations technologies. Graduate-level requirements include submission of an additional paper to be presented in class. The paper will be a graphic presentation.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Co-convened with: PLG 497D

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 597E: Public Presentation (1 unit)

Description: This one-hour course is one of a series of modules designed to help students learn basic planning techniques necessary for success in their academic and professional careers. This module will provide students with presentation techniques and help them identify areas of difficulties in their own presentation styles. Graduate-level requirements include an additional public presentation plan.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Co-convened with: PLG 497E

Course typically offered:

Main Campus: Spring

PLG 597J: Documentation and Interpretation of the Historic Built Environment (3 units)

Description: Examines methods to document buildings, districts and cultural landscapes and methods to interpret historical and architectural significance. Focuses on historic built environments of Greater Southwest including semester-long service-learning project applying documentation and interpretation methodologies. Graduate-level requirements include transforming a service-learning project into web-accessible format to integrate into Preservation Studies website.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Equivalent to: LAR 597J, PLG 597J, PLN 597J

Also offered as: ARC 597J, LAR 597J

Co-convened with: PLG 497J

Course typically offered:

Main Campus: Spring

Recommendations and additional information: ARC 471F/571F or consent of instructor.

Home department: School of Landscape Architecture and Planning

PLG 597O: Writing for Planners (1 unit)

Description: A critical examination of the problems in written communications by professional planners. Emphasis is on developing enduring personal remedial strategies. Graduate-level requirements include writing an essay worth 25 points.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Co-convened with: PLG 497O

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 597Q: Public Participation and Dispute Resolution (3 units)

Description: Public participation is both ethically and legally a fundamental component of planning decision making processes. This course explores a wide variety of public participation methods and tools, what to expect from working with the public, and how to handle disputes that arise. Students will be given a variety of public participation tools and then utilize them as a team in a real life public participation project over the semester. This course is designed for undergraduate and graduate students with no prior background or experience in the fields of public participation, negotiation, or dispute resolution.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Co-convened with: PLG 497Q

Course typically offered:

Main Campus: Fall, Spring

PLG 597R: Grant Writing (1 unit)

Description: This one unit course is one of a series of modules designed to help you learn basic planning techniques necessary for success in your academic and professional career. This module will provide students with grant writing skills. Graduate-level requirements include submission of a grant proposal either on their master's report topic or one provided by the instructor (100 points).

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Co-convened with: PLG 497R

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 597S: Sustainable Urban Development and Design (3 units)

Description: Examines contemporary competition between environment, resources (water, energy), social equity, and economic viability in the community development and revitalization arena. Public policy, planning initiatives, design strategies and technical solutions that bridge the conflicting agendas are analyzed. Field investigation of contemporary cases. Appropriate for students specializing in planning, architecture and landscape architecture. Graduate-level requirements include a case study paper and formal class presentation. The study should include a literature review, and assessment methodology and critical comment.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Equivalent to: GEOG 597S, PLN 597S

Also offered as: GEOG 597S, RED 597S

Co-convened with: PLG 497S

Course typically offered:

Main Campus: Fall

PLG 597T: Housing and Households (3 units)

Description: First of two-course sequence focusing on U.S. housing and community development. Topics covered include housing market projections, housing submarket analysis, housing finance and mortgage lending, household analysis, residential choice and residential mobility. Appropriate for students specializing in urban planning, architecture, urban geography and urban sociology.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Also offered as: GEOG 597T

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Graduate status.

PLG 597V: Affordable Housing and Community Development (3 units)

Description: The course focuses on housing and community development issues. Its purpose is to understand the nature of housing development, particularly for the lower income sectors of the community, and its relation to community development. Graduate-level requirements include individual projects and a longer research paper.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Also offered as: ARC 597V

Co-convened with: PLG 497V

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 599: Independent Study (1 - 6 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work. Graduate students doing independent work which cannot be classified as actual research will register for credit under course number 599, 699, or 799.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

PLG 605: Planning Theory (3 units)

Description: This course shows students how planners frame the notion of public interest in their work, how planning, which is often intervention in the private market, can be justified in a capitalist society, the role that professional ethics play in the life of the planner, and the ways in which various kinds of planners define their job - and then do it. The course includes both the classic work in planning theory and the latest conversations in the theory community but with a strong emphasis on the value of such work for practicing planners.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: GEOG 605, PLAN 605, PLN 605, PLNG 605

Also offered as: GEOG 605

Course typically offered:

Main Campus: Fall

PLG 607: Growth Management for Planning and Development (3 units)

Description: This course provides an overview of local, regional, and state approaches to growth management. It provides the theoretical underpinnings of growth management, including the need for public intervention into the land market, the economic purposes of growth management, and issues of efficient urban form. It also presents ways to evaluate the techniques of growth management including resource land preservation, protecting special areas of public concern, rural growth management, urban containment, the role of public facilities planning and finance in managing development patterns, and administrative principles of growth management programs.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: RED 607

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 611: Projects in Regional Planning (6 units)

Description: Lectures, laboratory, and field projects covering various aspects of professional practice.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Repeatable: Course can be repeated a maximum of 5 times.

Equivalent to: GEOG 611, GEOG 611, PLAN 611, PLG 611, PLN 611, PLNG 611

Also offered as: GEOG 611

Course typically offered:

Main Campus: Spring

Recommendations and additional information: PLG 605; 24 units toward a graduate degree in planning.

PLG 624: Reports in Planning (3 units)

Description: This is a preparation class for writing a master's report or thesis. The overall objective of the course is for each student to select a research topic, complete their abstract, outline, review of the literature, and propose a preliminary empirical research design. Topics covered emphasize the fundamentals of research, including literature review, problem identification, research design, data compilation, and the fundamentals of research presentation, including report or thesis organization and oral presentation skills.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: Open to all; Planning students must have a minimum of one semester in program.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 625: Market Analysis for Responsible Real Estate Development (3 units)

Description: This course serves as a primer for the analysis techniques and data sources used to segment real estate markets, quantify demand, and evaluate competing supply. This course considers the balance of demand and supply as a key component to responsible real estate development. Students will complete a real estate market analysis, including the written study and concept presentation, as part of this course. The course focuses on real estate industry methods to evaluate development opportunities and the skills needed to identify and quantify new and emerging opportunities for more sustainable development types.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: RED 625

Course typically offered:

Main Campus: Fall, Spring

Home department: School of Landscape Architecture and Planning

PLG 693: Internship (4 units)

Description: Give Planning students experience in the professional side of the discipline before leaving the university program. Student must complete 225 hours of internship under the direction of a planner at a level above satisfactory work to earn the credits. The course is designed to provide the student with learning experiences not present in the classroom through on-the-job training, to allow the student to apply and practice skills and techniques he/she has learned in class in a real-world environment, and to permit the student to interact with a network of colleagues engaged in professional planning practice.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Concurrent enrollment in PLG 696A required.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 696A: Internship Seminar (1 unit)

Description: Emphasis of this course is to prepare first-year graduate planning students in the acquisition and completion of a planning internship (PLG 693 Internship) under the supervision of a professional planning practitioner. Formal presentations will be made by second-year graduate planning students in PLG 696B Career Development Seminar to share their internship experiences with the first-year students. Planning practitioners will also share their expectations of students searching for and completing internships. Students will be exposed to a diverse assemblage of internship work related to the profession of planning. This will provide them with a foundation for developing their internship focus.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Repeatable: Course can be repeated a maximum of 2 times.

Course typically offered:

Main Campus: Fall

PLG 696B: Career Development Seminar (1 unit)

Description: The emphasis of this course is for second-year graduate planning students to share their internship experience with first-year planning students as well as preparing for a career in planning. Students will create LinkedIn profiles, learn networking techniques, develop resumes, draft cover letters, and practice mock interviews. Planning practitioners will also share their expectations of students searching for a first job opportunity in planning. Students will be exposed to a diverse assemblage of career opportunities in the profession of planning. This will provide them with a foundation for developing a successful career in planning.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 696D: International Planning (3 units)

Description: A seminar in the theory and practice of international planning and the institutions which participate in planning globally. The system of multi-lateral agencies developed in the post World War II period is examined as is the growing nonprofit and self-help movement worldwide, composed of other public and not-for-profit organizations, known as NGOs, CBOs, grass roots organizations, and local popular movements. The practice of international development planning will be surveyed through a series of recently published materials and guides to international planning by practitioners. Two seminar papers will be required on the practice of international planning.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Also offered as: HPS 696D

Course typically offered:

Main Campus: Spring

Field trip: Field trip.

PLG 696E: Economic, Environmental, and Social Issues Along the Border (3 units)

Description: Seminar on the key planning issues which affect international borders, particularly between Arizona and the Mexican state of Sonora. Seminar topics will be enhanced by invited experts on key issues of migration, growth and change, social issues and political realities. Each student will select a related border region to study in parallel with the structure of the seminar.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Equivalent to: CPH 696E, LAS 696E, PLN 696E

Also offered as: HPS 696E, LAS 696E, PHPM 696E

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Graduate status.

PLG 699: Independent Study (2 - 5 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work. Graduate students doing independent work which cannot be classified as actual research will register for credit under course number 599, 699, or 799.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PLG 900: Research (1 - 3 units)

Description: Individual research, not related to thesis or dissertation preparation, by graduate students.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring

PLG 909: Master's Report (3 units)

Description: Individual study or special project or formal report thereof submitted in lieu of thesis for certain master's degrees.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring

PLG 910: Thesis (1 - 3 units)

Description: Research for the master's thesis (whether library research, laboratory or field observation or research, artistic creation, or thesis writing). Maximum total credit permitted varies with the major department.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.