



Graduate Group in
City and Regional Planning

Stuart Weitzman School of Design
University of Pennsylvania

Doctoral Student Handbook for
City and Regional Planning
2023-2024

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I. INTRODUCTION

Welcome to the PhD program in City and Regional Planning at the University of Pennsylvania. Penn has offered a doctorate since the early 1950s. Its first recipient, [Herbert Gans \('57\)](#), now Robert S. Lynd Professor emeritus, Columbia University, has had a distinguished scholarly career from the publication of his first book, *The Urban Villagers Group and Class in the Life of Italian-Americans* (The Free Press, 1962) to his last one, *Sociology and Social Policy, Essays on Community, Economy and Society* (Columbia University Press, 2017). And one of our more recent graduates, [Amber Woodburn \('16\)](#), is now an assistant professor at Ohio State University with a bright future ahead.

Other recent graduates are working all over the world in a variety of research-intensive positions. They include [Nisha Botschwey \('03\)](#), Dean, Hubert Humphrey School of Public Affairs, University of Minnesota; [Khaled Tarabieh \('09\)](#), University Architect and Associate Professor of Sustainable Design, American University of Cairo; [Stephanie Ryberg \('10\)](#), Associate Professor of Urban Studies, Cleveland State University; [Sisi Liang \('11\)](#), Associate Professor of Planning, Tsinghua University; [Evangeline Linkous \('12\)](#), Associate Professor of Urban and Regional Planning, University of South Florida; [Stuart Andreason \('14\)](#), Managing Director, The Burning Glass Institute; [Catherine Brinkley \('13\)](#), (DVM, '15), Associate Professor of Community and Economic Development, University of California, Davis; [Benjamin Chrisinger \('15\)](#), Assistant Professor, Tufts University; [Albert Han \('15\)](#), Associate Professor of Urban and Environmental Planning, Korea Advanced Institute of Science and Technology; [Mary Rocco \('16\)](#), Director of Engaged Scholarship, Barnard College; [Simon Mosbah \('16\)](#), Business Line Director, Infrastructure Funding and Grants, WSP; [Theo Lim \('17\)](#), Assistant Professor, School of Public and International Affairs, Virginia Tech; [Eliza Whiteman Kinsey \('18\)](#), Assistant Professor, Perelman School of Medicine, University of Pennsylvania; [Jae Min \('18\)](#), Associate Professor, Yonsei University; [Chandan Deuskar \('20\)](#), Urban Specialist, The World Bank; [Joshua Davidson \('23\)](#), Assistant Professor of Statistics and Data Science, Oberlin College.

As you may imagine, Penn's more than 340 graduates have made important contributions to the field, working in academia and other research institutions. (See Appendix A.) In a few years, your name will be on this list, and we expect that you will be among the leaders of the profession. As an additional bit of information, your doctoral degree has a STEM designation under the US Department of Education rubric, meaning that if you are not a US citizen, upon completion of your degree, you are allowed to take two years of post-degree professional training.

This **Handbook** will assist you in making your years at Penn productive. The first four sections map the requirements of the doctoral program in City and Regional Planning. The remaining sections provide other reference material including a list of the members of the Graduate Group Faculty (Appendix B), a bibliography of representative faculty publications (Appendix C), a student directory (Appendix D), several important documents (Appendices F and G) and copies of required forms (Appendices E and H).

Governing all your work, however, is the set of university rules established by the Graduate Council of Faculties, *Graduate Rules, and Policies*. catalog.upenn.edu/pennbook/academic-

[rules-phd/](#) In addition, the [School of Design Student Handbook](#) covers school-specific issues.

Program Goals and Expectations

Penn’s PhD program in City and Regional Planning has a straightforward objective: to train exceptional scholars and thought-leaders in the field. To this end, the Graduate Group aims to ensure your acquisition of strong research and communication skills. It is also committed to cultivating enduring faculty/student mentoring relationships and collegial networking among your peers, including other PhD students in urban-focused disciplines. An integral part of this process is the doctoral advising system, whose description is in Part II.

As a doctoral student you control the pace and timing of your work. However, the Graduate Group is here to help you. Maintain regular contact with the Graduate Group Chair (GGC), Eugénie Birch (with whom you should meet four times a year at the beginning and end of each semester), and with your advisors, once selected, at all stages of your program. Remember to keep your contact information up-to-date in Penn-in-Touch and with the Graduate Group Secretary, Kate Daniel.

Earning your doctorate, requires completion of five steps: **1. Coursework, 2. Preparatory Requirements, 3. Qualifying Examination, 4. Candidacy Examination 5. Dissertation** (see Table 1).

Table 1 Overview of PhD Requirements

Task	Requirement
Matriculation	Full-time until completion of degree. Total time allowable 10 years (five years to advance to candidacy, five years to complete and defend dissertation)
Coursework	20 course units, to be completed in first 5 semesters, taken at the rate of 4 course units/semester, and including:
Doctoral Seminar	4 course units taken in first 4 semesters
Research Methods	2 course units (CPLN 508 recommended)
Fields	2 courses each in 2 fields
Preparatory Requirements	To be completed in the first 5 semesters
Writing and Presentation	4 written assignments completed in the first 4 semesters
Review Essay	First semester Doctoral Seminar
First Year Paper	Second semester Doctoral Seminar
Second Year Paper	Third semester Doctoral Seminar
Draft Dissertation Proposal	Fourth semester Doctoral Seminar
Scholarly Preparation	4 semesters RF/TF plus orientation and jury service
Research Fellowship	One semester (minimum)
Teaching Fellowship	One semester (minimum) other semesters divided between TA and RA at the discretion of Graduate Group Chair
TA orientation	Attend session in summer after the first year of full-time study

Master's juries	Serve on 4 masters level studio or workshop juries
Qualifying Examination	Written examination on History and Theory of Planning to be taken by the end of the second semester of full-time study
Candidacy Examination	Two part written and oral examination to be completed and defended during the 5th semester
Two Field Examinations	Written examinations to be completed by the before the 5 th semester of full-time study, taken in a 21-day period. Submission of Field Examination Statement by beginning of Second Year.
Oral Examination	Oral defense of the two field examinations and discussion of draft dissertation proposal within 3 weeks of completing the last field examination
Acceptance of Dissertation Proposal	To be completed during fifth semester of full-time study according
Apply for A.M. degree	All students who advance to candidacy are eligible to earn an A.M. Apply to https://apps.sas.upenn.edu/sso/gas/degree/app-start.php
Annual Meetings of Dissertation Committee	A candidate must meet annually with his/her Dissertation Committee until the thesis is completed; he/she must submit a first draft two months in advance of the deposit date; and submit a second draft one month in advance of the deposit date
Dissertation Defense	Candidate defends his/her thesis in front of the Dissertation Committee
PhD Colloquium	Candidate offers a public presentation of his/her thesis findings
Dissertation Deposit	Pursuant to university rules

II. PROGRAM ADVISING

Overview

During your doctoral studies, the GGC will serve as your overall advisor, assisting you in outlining a course of study, evaluating prior coursework for transfer credit and approving key performance milestones. In your first year, you should initiate meetings with Graduate Group faculty whose scholarly interests coincide with yours, aiming to formulate your examination areas and dissertation topic. (See below.) You should begin these conversations early and, even though you may not have a fully developed dissertation proposal in mind, the process of discussing your ideas will aid in defining your research focus. To begin this exploration, the GCC will assign an advisor from the Graduate Group to you. You may select this advisor as your principal advisor (see below) or choose someone else during the course of the first year.

By the end of your first year and with the approval of the GGC, you should ask one of the members of the Graduate Group to serve as your principal advisor and work with him/her to form Examination and Dissertation Committees that should be in place by the end of your second year (fourth semester). *When you have reached an agreement with a faculty member to serve as your principal advisor, please ask him or her to indicate his or her willingness to accept this responsibility in a letter to the GGC.*

The Graduate Group as a whole monitors all doctoral students' progress. It meets at the end of each academic year to review each student's record. For those in coursework, it reviews their progress reports (see Part IV.) and evaluates their grade-point averages, Qualifying Examination status and rates of meeting the preparatory requirements. For candidates (those who have passed the Candidacy Examination), it reviews their progress reports that includes their dissertation schedules and performance. Any student not making satisfactory progress may be asked to withdraw from the program or be advised that such an action is under consideration. The GGC will notify a student in writing of any problems identified in the evaluation. *Should you receive such a letter, you must contact the GGC to discuss remedies.*

Graduate Group Faculty Interests

PhD students develop their programs of study with faculty advisors based on common interests and approaches. Weitzman School of Design faculty who work closely with PhD students include: Francesca Ammon (Planning History); Eugénie Birch (Urban Revitalization and Global Urbanization); Sanya Carley (Energy Policy); Tom Daniels (Land Use and Environmental Planning, Land Conservation); Elizabeth Delmelle (Geographic Information Systems and Urban Spatial Analysis); Lance Freeman (Housing, Community and Economic Development, Sociology); David Gouverneur (Landscape Architecture and Urban Design); Jamaal Green (Geographic Information Systems, Land Use and Economic Development); Erick Guerra (Transportation); Amy Hillier (Geographic Information Systems and Urban Spatial Analysis); John Landis (Urban Growth Modeling, Housing and Project Development); Allison Lassiter (Environmental Planning –Water); Zhongjie Lin (Urban Design); Sarah Lopez (Housing, Community and Economic Development); Randy Mason (Historic Preservation and Preservation Planning); Vincent Reina (Housing); Akira Drake Rodriguez (Housing, Community and Economic Development); Megan Ryerson (Transportation and Planning Methods); Lisa Servon (Community and Economic Development); Frederick Steiner (Ecological/Environmental planning); Marilyn J. Taylor (Urban Design); Domenic Vitiello (Community Development, Immigration, Food Security); Richard Weller (Land Scape Architecture and Urbanism); and Amber Wiley (Historic Preservation).

Other Graduate Group faculty include: Nikhil Anand (School of Arts and Sciences, Urban Infrastructure-India); Ram Cnaan (Social Practice and Policy); Gilles Duranton (The Wharton School, Real Estate); David Grazian (School of Arts and Sciences, Urban Studies); Lisa Mitchell (School of Arts and Sciences, South Asia Studies-India); Laura Perna (Graduate School of Education, Public Policy); Mark Stern, (Social Practice and Policy, Social Impact of Arts); and Susan Wachter (Wharton School of Business, Housing Finance and Real Estate). In addition, PhD students may elect to work with other Penn faculty chosen in consultation with their advisors. (See Appendix B for the Graduate Group Directory and Appendix C. for sample faculty publications.)

III. THE PROGRAM

Overview

This section offers detailed descriptions of the program’s five steps: 1. *Coursework*, 2. *Preparatory Requirements* 3. *Qualifying Examination*, 4. *Candidacy Examination*, and 5. *Dissertation*. Ideally, you should complete your coursework within the first two years (four semesters) depending on transfer credit; all Preparatory Requirements within two and one half years (five semesters) the Qualifying Examination by the end of the first year; the Candidacy Examination, including the Dissertation Proposal Defense during fifth semester; and the Dissertation within four years (eight semesters) of your initial enrollment.

Although *University regulations require you to advance to candidacy within five years of matriculation and to complete all requirements for the degree within ten years, the Graduate Group in City and Regional Planning encourages a faster pace*. The descriptions below detail each step and Graduate Group performance expectations.

Table 2 outlines an ideal schedule semester by semester. It assumes the transfer of four course units, thus permitting the completion of coursework within two years. It also offers alternatives for beginning the Preparatory Requirements, either starting the research fellowship or teaching fellowship in the first semester of full-time study or one semester later.

Table 2. Your PhD Semester by Semester

	Fall	Spring	Summer
Year 1	Doctoral Seminar I (Review Essay) Three classes, Research Fellow (optional/ if not done here must be done in Year 3)	Doctoral Seminar II (First Year Paper), three classes, Research Fellow or Teaching Fellow, Jury Service, Submit application for Transfer Credit, Select Principal Advisor and Examination and Dissertation Committees. Field examination areas selected.	Qualifying Examination completed by June 1. Refine First Year Paper for conference presentation or publication, TA summer training, Begin Second Year Paper
Year 2	Doctoral Seminar III (Second Year Paper), Three classes Teaching Fellow or Research Fellow, Conference Presentation, Jury Service, Field Examination Statement submitted and approved.	Doctoral Seminar IV (Draft Dissertation Proposal), Three classes, Research Fellow or Teaching Fellow, Jury Service,	Take Field Examinations, Finalize Draft Dissertation Proposal, Attend ACSP PhD Workshop or JPER Writing Workshop (competitive entry), Prepare Paper for publication
Year 3-4	Defend field examinations and dissertation proposal, Advance to Candidacy, Dissertation research and writing, Conference presentation, publications	Finish Dissertation, Defend Dissertation, Public Colloquium, Penn IUR Doctoral Symposium, Annual Meeting with Doctoral Committee chair	

1. Coursework

General Considerations The Graduate Group requires that instructors in courses that satisfy doctoral coursework requirements hold a PhD or terminal degree in their respective fields or are members of Penn’s Standing or Associated Faculty. The GGC will handle requests for exceptions to this rule on a case-by-case basis. If you enroll in masters-level courses in any school, you must complete assignments of greater scope and depth than the lower-level students. *If your instructor is unaware of this requirement, please inform him or her and make appropriate arrangements.*

You must maintain an overall GPA equal to or greater than 3.00 in all coursework. If you earn a grade lower than B- in a course, you cannot apply it to the 20 course-unit requirement.

If at any point during your coursework, your GPA falls below 3.00, you will be ineligible to continue as a doctoral student and dropped from the Program. If you incur two or more grades of Incomplete (I) you will be permitted to register for four (4) courses minus the number of Incomplete courses in subsequent semesters until you extinguish the Incomplete grade(s).

Course units: You complete 20 course units during two and half years of full-time study at the rate of four course units per semester, or a shorter time depending on transfer credit (see “Transfer Credit” below). The Graduate Group in City and Regional Planning does not designate a formal list of required courses other than the Doctoral Seminar (see below), but allows you to work with the GGC and your principal advisor to develop a study plan consistent with your research and future teaching interests.

Doctoral Seminar: You enroll in four (4) course units of CPLN 800 Doctoral Seminar in four consecutive semesters beginning with your initial enrollment in the program. This seminar explores how scholars define and answer important research questions and assists you in developing your research agendas, including selecting your dissertation topic and crafting your draft thesis proposal. Through its guest lecturer series and reading, the seminar reviews important research in City and Regional Planning. It also affords you the opportunity to discuss your research with your peers and the Graduate Group Faculty. Finally, it addresses a number of issues not covered by other courses including a critical analysis of the varied forms of scholarly writing.

Research Methods: You also take and pass with a grade of B or better two (2) graduate-level methods courses relevant to your proposed field of research identified and submitted to the GGC on **Form 1b**. The Graduate Group maintains a list of courses in quantitative and qualitative methods and spatial analytics offered in various schools of the University. The Graduate Group highly recommends that you take CPLN 508 Urban Research Methods, preferably in your first semester. The GGC must approve your selection of research methods courses. (Although you may fulfill this requirement by waiver examination or transfer of credit for prior coursework, you will need to present evidence of strong methodology training to secure GGC for approval.)

Transfer Credit: If you have completed graduate work prior to entering the Doctoral Program in City and Regional Planning, you may request transfer credit for up to four (4) course units for master’s level classes. You may request transfer credit after your first year of full-time study. The Graduate Group Chair determines the acceptability of such transfers according to the following criteria:

- Courses must be relevant to your course of study and area of research
- Most credits from professional master’s degree courses (e.g., MSW, MCP, MRP, MBA, M.ARCH) may be transferred; studio course credit is not transferable.
- Courses must have a grade of B or above

Use **Form 1a** to identify the courses and provide background information on the instructors (e.g., PhD., standing faculty). Attach course syllabi and your transcript and submit the paperwork to the

GGC for approval. (Before submitting the formal request, discuss the prospects for such transfers with the GGC to determine if the courses are consistent with your course of study.) *You are responsible for filing the signed forms with the Registrar and the Graduate Group Secretary.* Transfer credit is official when it appears on your Penn transcript, viewed through Penn in Touch. Should you encounter any problems related to processing transfer credit, contact the Registrar, School of Design.

2. Preparatory Requirements

Overview: The Preparatory Requirements (Writing and Presentation and Scholarly Preparation), provide experience in scholarly writing, research and instruction and assist you in the timely completion of your degree. You should complete them within two and a half years (five semesters) of full-time study. The GGC will work with you to accommodate them in your program.

Writing and Presentation: Possessing clear writing and associated analytical skills is essential for your career as a graduate student and later, scholar. The writing and presentation requirement is a systematic approach to strengthening your abilities in these areas. It has four elements:

- a. *Review Essay:* assessing several books related to your primary interest to be written and presented in your first semester to the Doctoral Seminar (**Form 2**).
- b. *First Year Paper:* writing a literature review in your area of the primary interest to be presented to the Doctoral Seminar during the second semester of full-time study (**Form 2a**). You begin it under the guidance of the Doctoral Seminar instructor and also work with other Graduate Group faculty. The literature survey requirement aims to allow you to identify gaps in knowledge, to formulate a research question around a particular issue, and devise a research design to explore that question.
- c. *Second Year Paper:* undertaking original research of publishable quality in your area of interest to be presented at Doctoral Seminar in your third semester of full-time study (**Form 2b**). Ideally, this paper will evolve from the *First Year Paper*. As you undertake this paper, you should be working with your principal advisor since this paper will be the foundation of your dissertation. Given the significance of the requirement, you should begin working on the paper in the summer between your first and second years. You are also expected to submit your Second Year Paper (or some equivalent research) for presentation at an academic conference by the Fall of your third year. *If your paper is accepted for presentation, the Graduate Group will cover your travel expenses to the conference.*
- d. *Draft Dissertation proposal* You will present a draft dissertation proposal to the Doctoral Seminar in your fourth semester (**Form 2 c**). By this time, you will be working with your principal advisor who should serve as the chair of your Examination and Dissertation committees. (See below.)

Scholarly Preparation: The faculty develops enduring mentoring relationships with you through your serving four semesters as a Research Fellow (RF) or Teaching Fellow (TF). The RF and TF positions require, on average, ten hours a week of work. Ordinarily, you will begin your fellowship

in your first year (first or second semester) of full-time study and complete it in your second or third years (fourth-fifth semesters). The TF assignments will be in either CPLN 5000 or CPLN 5010. You may fulfill the requirement by assisting in one course for two semesters, or one semester each course. Submit the appropriate forms as you complete your RF (**Form 3a**) and TF (**Form 3b**) assignments. After your first year, you are required to attend the three-day Teaching Assistant Workshop sponsored by the Center for Teaching and Learning, School of Arts and Sciences (**Form 3c**). Finally, you will serve on master's level juries four times, ideally during your first five semesters of full-time study (**Form 3d**).

CTL Teaching Certificate You may opt to earn a CTL Teaching Certificate from Penn's Center for Teaching and Learning. While you will be very busy in pursuing your research, teaching is a vital component of an academic career. Pursuing this certificate not only offers you a means to reflect on what constitutes excellent teaching and to enhance your own pedagogical skills but also to add to your own qualifications when you begin your job search. Requirements are: completion of five CTL-approved workshops, completion of two semesters as a teaching fellowship, an observation and review of a full teaching session, and development of a statement of teaching philosophy. For more information see: <https://ctl.upenn.edu/programs/grad-students/ctl-teaching-certificate/>

Graduate Urban Studies Certificate: The Graduate Urban Studies Program in the School of Arts and Sciences offers a Certificate in Urban Studies to be taken in conjunction with a Ph.D. offered by the University. It is aimed at students who want to augment their disciplinary studies to address urban topics or problems from an interdisciplinary perspective. The Program draws on faculty and encourages course-taking from the various departments of the School of Arts and Sciences and other schools of the University. Students' interests have focused on many areas of the world and include housing, employment, economic development, finance, social welfare, poverty, education, community organization, history, ethnicity, culture, family, architecture, urban design, planning, law, and policy. For more information, see <https://urban.sas.upenn.edu/students/graduate-certificate-program>

3. Qualifying Examination

By the end of your first year of full-time study, you must have completed the City and Regional Planning Qualifying Examination, a written examination on the History and Theory of City and Regional Planning, administered by faculty as designated by the GGC. *Student verifies completion of Qualifying Examination registering this information with the GCC by June 1 (or earlier) of the first year of study.* The examining faculty grades the examination with either A+, A, A-, B+, or B. Any grade below B is a failure.

Schedule: To schedule the Qualifying Examination, meet with the examining faculty to determine the scheduling and scope of the examination. Keep the GGC informed of your determination.

Certification to continue: After the evaluation of the written examination, the examining faculty, along with your principal advisor and the GGC, will review your academic progress (minimum requirement is a B average and sufficient number of courses depending on the timing of your examination) to determine your continuance in the program. You will receive notice of your status within a month of your completion of the written examination. (In the event that you fail the Qualifying Examination, you will not be allowed to proceed with the doctoral program.) Upon

receipt of a notice of successful completion of the Qualifying Examination, submit **Form 4** to the Graduate Program Secretary, Kate Daniel.

4. Candidacy Examination

After completion of your coursework, you must pass the Candidacy Examination consisting of two field examinations demonstrating your mastery of subfields within the discipline and the defense of your draft and final dissertation proposals.

Requirements: Following is a description and requirements of each part of the Candidacy Examination:

- a. *Written field examinations in each of two areas*, taken within a three-week (21 day) window and completed by the beginning of your fifth semester of full-time study, if not sooner (**Form 5**). (In defining fields, you work with your advisors and also take at least two courses in a given field.)

At the end of the first year of coursework, you will present a Field Examination Statement to the GCC and your principal advisor. This plan will include the name of each field, a short description of the field and a brief bibliography of the key readings in that field. (You will augment this bibliography with each field examiner as you discuss the scope of the examination after approval of the fields, so this list should be about five entries). You must submit the Field Examination Statement by the beginning of the third semester of coursework.

The examinations will cover:

1. A definable subfield in City and Regional Planning as overseen by a faculty member in the Graduate Group in City and Regional Planning (e.g. History and Culture of Cities, Community and Economic Development, Land Use and Environmental Planning, Sustainable Transportation and Infrastructure Planning, Urban Design, Housing.)
2. A definable subfield of City and Regional Planning as listed above or related discipline supportive of your dissertation research or future employment undertaken with a faculty member who is affiliated with the Graduate Group. For those seeking to have an examination in methods, approval will be given only for work that *advances* a given method, subject to the approval of the GCC and the principal advisor.
3. The written examination can take one of several forms. For example, your examiner may ask you to prepare a paper-length essay, or a research proposal over a period of a week, or a lecture-length essay over several days. He or she may ask you to take a several-hour written “classroom” type of examination, consisting of a set of questions. Regardless of its form, your examiners will ask you to demonstrate an ability to:
 - describe and assess the literature of the field
 - deal critically with major issues

- conceptualize and organize research in the area
- b. *A draft dissertation proposal presented to the Dissertation Committee two weeks prior to sitting for the oral examination:*
 1. Your dissertation proposal should follow the format described in Appendix F.
 2. It has the following components: title, abstract, introduction, a literature review that positions your research question, statement of the problem or research question, your hypotheses (if applicable), your research design, proposed table of contents (with short descriptions of anticipated contents of the chapters), and bibliography and an anticipated timeline for delivery of the first, second and third drafts.
 - c. *An oral examination covering the written examinations and a discussion of the dissertation proposal to be scheduled within three weeks of completing the written field examinations.*
 1. The Examination Committee will evaluate your field examinations giving letter grades ranging from A+ to B. Any grade below B is a failure. A member of a field examination committee may ask you to revise your response or to retake the examination. In the event that you are asked to retake an exam, you may do so **once** within two (2) months. If you should fail two field examinations, you will be dismissed from the program.
 2. The Dissertation Committee will evaluate the dissertation proposal providing one of the following determinations: Accept, Revise and Resubmit to the chair, or Revise and Resubmit to the Committee (**Form 5**); *In the latter two cases, you have one (1) month from the time of the oral examination to make modifications to the proposal and obtain its acceptance by the Committee.* If you do not secure approval of your proposal within this time period, you will be awarded the A.M. degree as a terminal degree.
 3. *The final approval of the dissertation proposal by your Dissertation Committee is to be completed within the fifth semester of full-time study, if not sooner (Forms 6 and 8).*

Record keeping: You are responsible for filing the following forms indicating your progress with the Graduate Group Secretary and the Weitzman School of Design Registrar. After your field examinations, submit **Form 5**; after your oral Dissertation Proposal defense submit **Form 6** and **Form 8** (University of Pennsylvania. Form 150). In addition, you are responsible for submitting an annual report at the end of each academic year. After completing your coursework, be sure to have a meeting with your Dissertation Chair at least once a year (See page12).

When to Start and Other Details: To begin the Candidacy Examination process, meet with the GGC by the end of your second semester of full-time study to discuss your plans. In consultation with the GGC and your principal advisor, you should select the areas for your two field examinations, keeping two goals in mind:

- developing competence in an instructional or research area applicable to your future employment
- supporting your dissertation research.

Next, form your Examination and Dissertation Committees. The GGC and your principal advisor will help you identify appropriate faculty to serve on both. You should initiate discussions with your Committee members to delineate the subject matter of your field examinations and your thesis. *Finally, secure GGC written approval of the composition of both these Committees by the beginning of your third semester.* Form your Committees according to the rules outlined below.

Composition of the Field Examination Committee: Usually, the Committee consists of two faculty members, each one will supervise one field examination. One member is the chair of your dissertation committee. In some cases, you may ask two faculty members to supervise one field examination. Consult with the GCC about this possibility. The faculty members must be members of the Graduate Group in City and Regional Planning. For any exception, consult with the GGC.. You should have taken at least one formal course or Independent Study with each member of the Examination Committee.

Composition of the Dissertation Committee: three faculty members, one of whom serves as chair; the other two are readers. The chair of this committee must be a member of the Graduate Group. One of the two readers must be a member of the Graduate Group. The third reader will usually be a member of Penn's Standing Faculty, though with the approval of the Dissertation Committee chair and the GGC, an outside person with the appropriate academic qualifications and special knowledge can be appointed.

PhD Candidate Status and Tuition When you have passed the Candidacy Examinations, you will become a PhD Candidate. After becoming a PhD Candidate and completing three years of full-time study you will qualify for the reduced tuition rate (**Form 8**).

Receipt of the AM Degree When you have completed all parts of the Candidacy Examinations, you have earned the A.M degree. *If you wish to receive the A.M. degree, you must apply for the degree with the University of Pennsylvania Graduate Office at <https://apps.sas.upenn.edu/sso/gas/degree/app-start.php>.* Should you pass all parts and decide not to write a dissertation you may elect to receive the A.M. as a terminal degree (**Form 7**).

5. Dissertation

Overview: Your dissertation is an original piece of research of publishable quality that focuses on an important, currently unanswered question. Your Dissertation Committee supervises your dissertation from its proposal to its completion. You should meet with your Dissertation chair at least two (2) times per year and with your whole Committee annually (by June 1 of the year in question). Prior to the Committee meeting, you should submit your Annual Dissertation Report (**Form 9**) to the Committee and, afterwards, obtain your Committee members' signatures and submit the form to the GGC. *Failure to submit this report will result in your being dropped from the Program.*

If a problem appears with the pace of your progress, the GGC will arrange a conference to discuss the matter with you and your Dissertation Committee chair. The Graduate Group expects that you

will submit up to three drafts of the dissertation to your Committee. You will submit the first draft two months in advance of deposit date set by the University; the second draft, one month in advance of the deposit date, and the third (and final draft) one week in advance of your defense. **Dissertation Defense:** You will defend your dissertation to your Committee and, with their approval, offer a public Colloquium afterwards (**Form 11**). Your Committee may ask you to make minor revisions to the dissertation before you deposit it with the University. Upon completing your defense and Colloquium, submit the signed Final Dissertation Report (**Form 10 / U. of P. Form 152**) and (**Form 12 / U. of P. Form 153**) to the Graduate Program Secretary, Kate Daniel. These forms indicate the acceptance and certification of the dissertation.

Deposit of Dissertation: The University has strict regulations concerning the deposit of the dissertation. Be sure to review these rules early and often as they are unalterable. Consult the [Dissertation Formatting Guide](https://provost.upenn.edu/dissertation-deposit) found at <https://provost.upenn.edu/dissertation-deposit> to become familiar with the required format and various deadlines that must be met in order to graduate at a particular time. The schedule is contained in the Graduate Degree Calendar at the University of Pennsylvania Office of the Provost and is online at <https://provost.upenn.edu/graduate-degree-calendar>. You should be aware that the University rigorously enforces these regulations and schedules and makes no exceptions. *It is your responsibility to know these schedules and adhere to them.*

When you submit your dissertation in fulfillment of the requirements for a degree, it becomes the property of the University of Pennsylvania, governed by the University's copyright and patent policies.) You do have options about its release to the public. See <https://provost.upenn.edu/dissertation-embargo-guidelines>.

IV. ANNUAL PROGRESS REPORTS

In your first two and one half years of full-time study, you must submit to the GGC an Annual Progress Report (**See Appendix G**), listing your completed courses, fulfillment of the requirements and Qualification and Candidacy Examinations. (Once you have become a Candidate, the Dissertation Progress Report (**Form 9**) will fulfill the reporting requirement.) Ordinarily, you should submit your progress report prior to your end-of-spring-semester meeting with the GGC, no later than May first of the applicable academic year. In addition, you must meet with your Dissertation chair at least once a year.

V. TUITION AND FEES

There are two types of tuition categories for doctoral students:

Full Tuition: tuition for full-time PhD students will be charged at a "Full-Tuition Flat Rate" for the first three years (six terms, excluding summers) of enrollment. Full tuition applies whether the student takes three, four, or five courses in a semester or is on dissertation status. (The fifth course can only be taken as an audit.)

Reduced Tuition: doctoral students are eligible for reduced tuition in year four if

coursework has been completed. If it has, the student will be charged reduced tuition until the degree is awarded or for a maximum of five (5) additional years from the semester the student goes on reduced tuition status.

Tuition Waiver: doctoral students who defend early in the semester, by the "tuition waiver-defend by date" set by the Office of the Provost, qualify for a tuition waiver (in the form of a refund) for that final term. Because students are charged tuition at the start of the term regardless of the anticipated tuition defense date, it is the student's responsibility to reach out to the Weitzman Registrar to request a tuition refund in instances where the early defense deadline has been met.

In academic year 2023-2024, the tuition and fee schedule is:

Full tuition	\$41,544
General Fees	\$3,802
Clinical Fee	\$688
Health Insurance	\$4,210
Reduced tuition	\$5,192
General Fees	\$954
Clinical Fee	\$688
Health Insurance	TBA

VI. RESIDENCY AND LEAVES

Continuous registration: You must be continuously registered unless granted a formal leave of absence by the Dean of the School of Design. Registrations take place in the fall and spring semesters. Candidates for August graduation remain full-time students through August 31st without summer registration.

The Dean will grant a leave of absence for military duty, medical reasons, and family leave. This leave is typically for up to one year and “stops the clock” on time to completion. Personal leave for other reasons may be granted for up to one year with the approval of the GGC, but it does not automatically change the time limit. In this case, additional requirements for return may be imposed by the GGC.

You may not take any degree examinations while you are on leave of absence. A student without an approved leave of absence who fails to register each semester will be considered to have withdrawn from the degree program; reinstatement requires the GGC’s approval and recertification.

Policy on childbirth and adoption accommodation for PhD. students: You are eligible for a "Time Off" period of eight weeks for the birth or adoption of a child. You must notify the GGC and Dissertation chair in writing, at an early date, of your plans to initiate a "Time Off" period, so that appropriate arrangements can be made to cover any teaching/research responsibilities. Normally the "Time Off" period commences within two weeks of the birth or adoption.

During the "Time Off" period, you remain enrolled full-time. In order to facilitate a rapid return, you may participate in the program as fully as you deem appropriate. By remaining on full-time status, your visa status and loan repayment schedules, if any, will remain unchanged. You are entitled to academic accommodation including relief from academic requirements, such as postponement of exams and course requirements. If you are receiving stipend support, you are entitled to continuation of support during the "Time Off" period as follows: 1.) If you are receiving stipends from University/school funds, you are entitled to draw support for eight weeks during the academic year. 2.) If you are funded by government grants or other external funding sources, you are entitled to benefits as determined by the funding agency.

Family Leave policy: You may take a Family Leave for the birth or adoption of a child, childcare, or care of an immediate family member (spouse, domestic partner, child, or parent) with a serious health condition. You may take a Family Leave for one or two semesters. You must notify the GGC and your principal adviser in writing of your plans to take a Family Leave at an early date, so that appropriate arrangements can be made to cover any teaching/research responsibilities.

Family Leave "stops the clock" on your academic requirements, including service requirements, for the duration of the leave. During the period of Family Leave, you may arrange to continue Student Health Insurance, but you will be responsible for the payment of your premiums. Upon paying a fee, students on approved Family Leave will retain their PennCard, e-mail accounts, library privileges, and building access. Funding commitments from the institution are deferred until you return from Family Leave. If you are receiving funding from external sources, such as government grants, you are subject to the conditions established by the funding source. You will meet your service requirements (e.g., teaching, research) following return from Family Leave. You may request for an extension of Family Leave beyond one year, or for repeated Family Leaves. Approval of an extension, deferral of funding and continued academic accommodation is at the discretion of the Dean.

**IMPORTANT: If you anticipate adding a dependent (e.g., newborn) to your Penn Student Insurance Policy while on Family Leave, you must remain in ACTIVE student status at the start of the fall semester. Students should arrange with their school/division to maintain full-time student status for at least 31 days from the start of fall classes, after which time the Family Leave status can be recorded in the Student Records System. After the birth/adoption, contact the SHS Insurance Coordinator to ascertain fees and enroll the dependent. The premium for dependent coverage is payable directly to Aetna Student Health.*

VII. INSTITUTIONAL COURTESY/ EXCHANGE PROGRAMS

The University of Pennsylvania is a member of a ten-university consortium that allows doctoral students to enroll for up to one year at one of the participating institutions: Brown, Columbia, Cornell, Harvard, MIT, Princeton, Stanford, University of California-Berkeley, University of Chicago, or Yale. For additional info, see rule VIII. in the Academic Rules for PhD Programs at <https://catalog.upenn.edu/pennbook/academic-rules-phd/>.

VII. RECERTIFICATION

If you have not completed your doctoral work within ten years of your initial matriculation, you

may apply to the GGC to recertify your continuing in the program. To receive permission to do so, you must retake and pass the Candidacy Examination and complete and defend your dissertation within one year.

VIII. HELPFUL WEBSITES

If you are relocating to Penn for your doctoral program, several University services can be of assistance.

And once you are here, Penn's Graduate Student Center will serve as your community center. Penn Health Services will become your health provider when you sign up for the Penn Health Plan. Below are some helpful websites:

For general resource guides for graduate students: <http://www.gsc.upenn.edu/resources/guide/>

You will be given a hard copy of ***The Graduate and Professional Student Resource Guide*** during new student orientation.

For off-campus living <http://www.business-services.upenn.edu/offcampusservices/>

For the Graduate Center: <http://www.gsc.upenn.edu/>

For Student Health Services: <http://www.vpul.upenn.edu/shs/>

APPENDICES
APPENDIX A. PhD RECIPIENTS 1957 TO PRESENT

1. June '57	Herbert J. Gans	Recreation Planning for Leisure Behavior: A Goal-Oriented Approach
2. Feb '59	Edgar M. Horwood	City Center Goods Movement: An Aspect of Congestion
3. Feb '61	William Nash	A Survey of Housing Rehabilitation Practices and Their Implications for Urban Renewal
4. May '62	Willard Hansen	Residential Extension in a Metropolitan Region: A Regression Analysis of Subregional Development Rates in the Philadelphia Area during the 1940-50 and 1950-56 Periods
5. May '62	Clifford C. Ham	A Study of Building and Decision-Making in Selected Urban Churches with Implications for City Planning
6. Aug. '62	Louis K. Lowenstein	The Spatial Distribution of Residences and Work Places in Urban Areas: An Empirical Study with Special Relevance to the Journey-to-Work
7. May '63	David Popenoe	Costs and Benefits in Urban Renewal Decision: A Study of the Theory of Rational Planning in the Public Sector
8. May '63	Anthony R. Tomazinis	An Investigation on the Basic Assumptions of Urban Location Theories Concerning the Transportation Inputs of Urban Activities
9. May '64	Norman J. Johnson	Harland Bartholomew: His Comprehensive Plans and Science of Planning

10. Dec. '64	Robert E. Coughlin	Hospital Complex Analysis: An Approach for Planning A Metropolitan System of Service Facilities
11. Dec. '64	Ralph A. Gakenheimer	Determinants of Physical Structure in the Peruvian Town of the Sixteenth Century
12. Dec. '64	John Herbert	A Procedure for the Articulation of Complex Development Programming Problems
13. Aug. '65	Naman Jalili	Urban-Rural Development Policies for Iran
14. Aug. '65	Nohad Toulan	Public and Private Costs of Open Space Preservation
15. Dec. '65	John Page	The Development of the Notion of Planning in the United States, 1893-1965
16. May '66	Morris Hill	A Method for Evaluating Alternative Plans: The Goals Achievement Matrix Applied to Transportation Plans
17. Dec. '66	Donald A. Krueckeberg	Toward Optimizing Procedures in Urban Land Use Classification
18. Dec. '66	Paul L. Niebanck	The Relocation of Elderly Persons
19. Dec. '66	Michael A. Stegman	An Analysis and Evaluation of Urban Residential Models and Their Potential Role in City Planning
20. May '67	Grace S. Milgram	The City Expands: A Study of Conversion from Rural to Urban Use, Philadelphia, 1945-1962
21. Aug. '67	Iskandar Gabbour	Travel Cost Variations and The Size of Urban Areas: An Investigation Concerning Urban Land Allocation Theories and Trip Distribution Models

22. Aug. '68	Michel Chevalier	A Strategy of Interest-Based Planning
23. Dec. '68	Charles D. Laidlaw	Linear Programming for Projective Urban Renewal Plan Evaluation
24. Dec. '68	Thabet Zakaria	Transportation Systems Evaluation
25. May '70	Clifford Bragdon	The Unquiet Crisis: Community Noise and the Public Interest
26. Aug. '70	Shaul Amir	The Study of Conflict in Locational Decisions: The Case of the Hudson River Expressway Controversy
27. May '71	David Varady	The Household Migration Decision in Racially Changing Neighborhoods
28. May '71	Austin Tetteh	The Spatial Structure of the Labor Force in Ghana
29. May '71	Jacob Ukeles	A Method for Ranking Urban Resources Priorities: Priority Choice Analysis in Resource Allocation Policy-Making
30. Aug. '71	Michael Seelig	School Site Selection in the Inner City - The Politics of Standards and Requirements
31. Aug. '71	Sammis White	The Potential of Subsidized Job Creation in Reducing Employment Deprivation During a Period of Full Aggregate Employment
32. May '72	Janet Scheff Reiner	Client Analysis and Planning of Public Programs
33. Aug. '72	Edward M. Bergman	Economic Analysis of Exclusionary Zoning: A Case Study of Housing and Employment in Zoning Ordinances of Developing Townships

34. Aug. '72	Christopher Paul McDonald	The Role of Formal Symbolic Representation in Complex Policy Making Processes
35. Aug. '72	Mario Polese	Interregional Migration and Regional Economic Disparity
36. Aug. '72	William G. Wheaton	Income and Urban Location: A Study of American Spatial Demand
37. May '73	Joseph Berechman	Examination of the Efficient Allocation of Urban Public Facilities
38. May '73	Michael Cuthbert	Lewis Mumford and the Culture of Cities: A Historical Presentation and a Cultural Critique
39. May '73	John J. McKenzie	The Impact of Differential Patterns of Participation in Local Churches on Organizational Effectiveness, Planning and Innovation
40. May '73	John Edward Seley	Conflict and Cooperation in Urban Locational Decisions
41. Aug. '73	Louis Rosenburg	New Perspective on Housing Need: A Case Study of the Low-Income Housing Problem in Baltimore, MD
42. Dec. '73	Leonard Heumann	The Definition and Analysis of Stable Integration: The Case of West Mt. Airy, Philadelphia
43. Dec. '73	Joan Hock	The Specification of Criteria for Residuals Management Decisions: The Implementation of a Charge on Sulfur Oxide Emissions
44. May '74	Taner Oc	Assimilation of Displaced Rural Migrants in Istanbul and in Samsun, and the Role of Mass Media in this Process

45. May '74	Bruce Frankel	The Relationship between Economic Inequality and Immobility as a Social Indicator: The Process by which Education Inter-generationally Transfers Economic Opportunities
46. Dec. '74	Allan M. Shoff	The Impact of Citizen Participation on Community Mental Health Planning
47. May '75	Marc Los	Simultaneous Optimization of Land Use and Transportation in New Town Design: A Combinatorial Programming Approach
48. May '75	Dimitrios Dendrinou	A Dynamic General Market Equilibrium Model of Urban Form
49. Aug. '75	Aleksandros Anas	Spatial Growth and Dynamics in the Urban Housing Market
50. Aug. '75	Eric Roberto Weiss-Altaner	Population Pressure and Labor Absorption in Chilean Agriculture 1910-1960
51. Aug. '75	Kenneth Paul Ballard	An Area-Interactive Econometric Forecasting Model
52. Aug. '75	Konrad Kasian Kalba	A Case Study in Technological Innovation and Community Decision-Making
53. Dec. '75	Edward Balassanian	Planning Social Leadership: A Conceptual Study on Le Corbusier
54. Dec. '75	Bernard S. Bloom	Planning for Surgeon Manpower
55. Dec. '75	Lewis Dean Hopkins	Optimum-Seeking Models for Design of Suburban Land Use Plan
56. Dec. '75	Andrew Mark Isserman	Suburban Land Development and Local Public Finances
57. Dec. '75	Richard Tseng-Yu Lai	Urban Design in Law and Society

58. May '76	Jimmy Michael Cobb	Toward a Behavioral Basis for Urban Planning and Design: Inquiry into Decision Processes and the Psychosocial Costs of Planned Environmental Change
59. May '76	Godwin Odumah	The Spatial Structure of Development in a Contemporary Developing Country: Nigeria
60. May '76	Kenneth Bowman Platt	The Liberal Planning Paradigm as a Strategy of Social Reform: A Radical Critique
61. Aug. '76	Ahmet Acar	External Economies, Concentration, and the Changing Location of Manufacturing Industry: A Case Study of the Minneapolis - St. Paul Metropolitan Area
62. Aug. '76	Erhan Gencer	A Critical Analysis of the Dynamics and the Structure of the Contemporary Metropolis
63. Dec. '76	Philip Clayton	An Exploratory Study of Decision-Making in Two Metropolitan Councils
64. Dec. '76	William A. Cozzens	The Development and Implementation of HUD's Project Selection Criteria - The Impact of Administrative Structure and Behavior on Federal Urban Policy
65. Dec. '76	Arnold A. Goldstein	Planning and Politics in the Suburbs: A Case Study of a Fair Share Housing Plan in Delaware County, PA
66. Dec. '77	Won Yong Kwon	Innovation Diffusion Within Systems of Cities: An Approach in Relation to the Growth Pole Theory

67. May '78	Frederick W. Ducca, Jr.	Retail and Service Employment Location: Simulation, Analysis and Projection
68. May '78	Sandra Green Featherman	A Social Choice Model of Urban Governance
69. May '78	Louis H. Muench	The Private Burden of Urban Social Overhead: A Study of the Informal Low-Income Housing Market of Kampala, Uganda
70. Aug. '78	Norman B. Bliss	A Framework for Comparing Planning Models Involving Discrete Classifications
71. Aug. '78	Mary F. Cotton	On the Assessment of Excessive Hospitalization: A Study of a Medicaid Population
72. Dec. '78	Marion B. Fox	Time Allocation in Planning and Policy Making for Working Women and Their Households: A Social Indicator Study
73. Dec. '78	Harvey A. Goldstein	Labor and Housing Market Segmentation and Planning
74. Dec. '78	Sue S. Moyerman	Curriculum Planning and Curriculum Relevance in the Health Care Administration Programs
75. Dec. '78	Yukio Oguri	A Metropolitan Residential Relocation Model for the Evaluation of Housing Policies of the Tokyo Region
76. May '79	Meir Gross	The Impact of Transportation and Land Use Policies on Urban Air Quality
77. May '79	Michael Harvey Zisser	The Design of a Public Policy: National Land Use Planning and Organizational Theory

78. Aug. '79	Emmanuel K.A. Tamakloe	Social Welfare and Equity Considerations in Regional Transportation Investment Policies
79. Aug. '79	Robert H. Wilson	The Political Economy of Regional Development and Urbanization: The Case of Brazil's Northeast
80. May '80	Morton B. Gulak	The Effect of Political Structure on Environmental Design Character
81. May '80	EsraFill Kasraie	Analysis of Socio-Economic Interactions in India and Iran, with Reference to National, Rural and Urban Manpower Policies
82. May '80	Boris Odynocki	Planning the National Health Insurance Policy
83. Dec. '80	Cheryl A. Lieberman	Developing a Concept of Fit: A Case Study in Staff Training
84. Dec. '80	Hubert Nyame-Mensah	The Linkage Order and Importance Concept: An Alternative Approach to the Evaluation of Regional Transportation Investment
85. May '81	Ariela Neshar	Analysis of the Effects of Public Service Provision on the Quality of Life
86. May '81	Kofi Obeng	Pricing, Subsidy and Efficiency Issues in Urban Public Transportation
87. Aug. '81	Grit Permtanjit	Political Economy of Dependent Capitalist Development: Study on the Limits of the Capacity of the State to Rationalize in Thailand
88. Dec. '81	Chao-I Hsieh	The Development of a Disaggregated Location Model in Taiwan: Taipei and Kaushiung
89. Dec. '81	Arie Neshar	Socio-Cultural Factors in Israeli Public Housing Design

90. Dec. '81	Ruth A. Ruttenberg	The Incorporation of Prospective Technological Changes Into Regulatory Analysis Which Is Used in the Planning of Occupational Safety and Health Regulations
91. May '82	Yoon-Sang Kim	Topics on Calibration of Spatial Interaction Models
92. Dec. '82	Eshetu Abebe	Multiobjective River Basin Planning
93. Dec. '82	Linda Katz Hartman	The Way City Councilmembers Obtain Information
94. Dec. '82	Hanlin Li	The Use of Hierarchical Multi-objective Programming in Urban Transportation Network Design
95. Dec. '82	Rafael Martinez-Monefeldt	Linear Programming Models for the Selection of Optimal Transit Route Structure for a Metropolitan Area
96. Dec. '82	Brian J. McLean	An Interaction Model for Managing Intraplanning Conflict: Based on a Study of the Conflict Between Transportation and Air Quality Planning
97. Dec. '82	Sohiela Noorbakhsh-Khiabani	Adapting Research Methods to Cultural Settings: A Study of the Application of Nominal Group Technique to Iran
98. Dec. '82	Thierry J. Noyelle	Advanced Services and U.S. Cities: The Making of a New Urban Hierarchy
99. Dec. '82	Taro Ochiai	The Energy Costs of Hierarchical Urban Form: Transportation and Facility Operations
100. May '83	Coker Adegboro	The Process of Implementation in a Nigerian Bureaucracy: The Case of the

		Niger River Basin Development Authority
101. May '83	Samuel B. Agbola	The House Building Industry in Osogbo, Nigeria: A Study in the Transformation of the Industry and the Process of Development
102. May '83	Alireza Banai-Kashani	Multidimensional Scaling in Simulation of Location: An Analytic Hierarchy Systems Approach
103. May '83	Shu-Li Huang	Integrating Scientific and Institutional Aspects for Water Resource Management : A Case Study of Brandywine Basin
104. May '83	Jon T. Norstog	Democratic Theory, Ethnographic Methods and Environmental Planning: A Methodology for Participation
105. May '83	Michael O. Ogar	Urban Transportation and Public Policy in Developing Countries: Towards Improving Mobility and Accessibility
106. Aug. '83	Patricia L. Gerrity	By Ourselves: An Ethnographic Study of Self-Care in an Elderly Jewish Population
107. Aug. '83	Isaac F. Megbolugbe	A Hedonic Index-Based Model of Housing Demand for Third World Cities
108. Aug. '83	Ava S. Nelson	The Development of Coal in Appalachian Pennsylvania
109. Aug. '83	Ethan P. Seltzer	Citizen Participation in Environmental Planning: Context and Consequence
110. Dec. '83	Deborah S. Kitz	The Impact of Short Procedure Units on the Locus, Volume and Complexity of All Surgical Procedures: Pennsylvania 1974-1982

111. Dec. '83	Wayt T. Watterson	Economic Analysis of Residential Choice
112. May '84	Khalid Benabdeljalil	Internal Migration in Morocco: Examination of Structural Determinants
113. May '84	William W. Budd	A Systems Approach to Acid Deposition: Science, Institutions and Policy
114. May '84	Karen A. Buhler-Wilkerson	False Dawn: The Rise and Decline of Public Health Nursing, 1900-1930
115. May '84	Lawrence W. Dolan	Revitalizing Neighborhoods: Toward a Theory of Program Design
116. May '84	Jamie J. Greene	An Evaluation of Dental Hygiene Education in Israel: Health Planning and Policy Implications
117. May '84	Judith A. Kates	The Design of Comprehensible Systems: A Case of Hospital Merger in Northeastern Pennsylvania
118. May '85	Nemat Bahmani	The Web of Implementation: Iran's Experience with the Implementation of the Khuzestan Regional Development Program
119. May '85	Jonathan Berger	Environmental Ethnography for Landscape Planning
120. May '85	William Guthrie Hengst	Town Builders and Their Hosts: The Relationship Between Developers and Government in the Development Approval Process
121. Aug. '85	Kwabena Owusu-Banahene	The Estimates and Distributional Effects of Benefits of Public Housing Programs in Kumasi City, Ghana
122. Aug. '85	Chaisak Suwansirikul	Equilibrium Decomposed Optimization: A Heuristic for the

		Continuous Equilibrium Network Design Problem
123. Aug. '85	Norimichi Toyomane	A Study on the Multiregional Input-Output Model: Foundations for an Interregional Simulation of Indonesia
124. Dec. '85	Manoochehr Toshtzar	The Growth and Development of the Iranian Urban System: The Period 1900-1976
125. May '86	John O. Browder	Logging the Rainforest: A Political Economy of Timber Extraction and Unequal Exchange in the Brazilian Amazon
126. May '86	Carla B. Dickstein	The Role of Support Organizations in Worker Cooperative Systems: A Comparative Case Study
127. Aug. '86	Masayuki Doi	Multimodal Urban Transportation Pricing Theory
128. Dec. '86	Chin-Oh Chang	Explanation and Forecasting of National Housing Investment: A Comparative Study in Taiwan (R.O.C.), Korea (South), Japan and the U.S.A.
129. Dec. '86	Suk Hi Chung	The Effects of Spatial System Design Criteria on Description of Underlying Data
130. Dec. '86	Zeev Keidar	Managing by Incentives: The Case of Integrated Rural Development Projects in Less Developed Countries
131. Dec. '86	Frederick Steiner	Soil Conservation: Politics, Policy and Planning
132. May '87	Donald R. Ellerman	Predicting Local Responses to Federal Incentives for Competitively Contracting Transit Service

133. May '87	Hugh Miller	Urban Modeling Systems: Dynamic Properties and Equilibrium Tendencies
134. May '87	Byungho Park	Analysis of Regional Growth: A Study of Efficiency/Equality Relations
135. May '87	Nancy K. Worley	A Study of Relations between Community Mental Health Centers and Public Mental Hospitals in Pennsylvania
136. May '87	Jih-Hwa Wu	Regional Optimal Growth and Public Investment Models: Theory and Application to Efficiency-Equity Issue in Taiwan
137. Aug. '87	Chin-Hsiang Chiu	The Development and Calibration of a Peak-Period Work Trip Distribution Model: An Empirical Case Study
138. Dec. '87	Margaret Fetting	An Application of Family and Social Systems Theories to Inter-organization Conflict in a Child Advocacy System
139. Dec. '87	Kazem Oryani	Performance of Behavioral Land Use Transportation Models and Optimization Land Use Models: A Comparative Assessment
140. May '88	Steven C. Bourassa	Land Value Taxation and New Housing Development in Pittsburgh
141. May '88	Len P. Ishmael	Informal Sector Factor Mobilization: The Process by which Poor People Shelter Themselves and Implications for Policy; Focus on the Caribbean: St. Vincent and Domenica
142. May '88	Magda Lara-Resende	Developing the Egyptian Nile: Hydropolitical Influences and Implications

143. May '88	Abiodun O. Odunmbaku	An Evaluation of Transit Systems for a Rapid Growing City in a Developing Country
144. May '88	Eliana Riggio	Planning and Development in Sicily: The Grass Roots Approach of Danilo Dolci
145. Aug. '88	Mohammad S. Almaani	Network Trip Assignment and Aggregation Procedures in Urban Transportation Planning and Design
146. Aug. '88	Ernesto G. Arias	Resident Participation and Residential Quality in U.S. Public Housing: Toward a Substantive Understanding of Participation
147. Aug. '88	Ahmed Basha	Migration and Urbanization in Saudi Arabia: The Case of Jeddah and Riyadh
148. Aug. '88	Sung-Kyun Kim	Winding River Village: Poetics of a Korean Landscape
149. Aug. '88	Yeong-Te Ohn	Housing Policy Development in Korea, 1972-79: Towards a Theory of Housing Intervention in a Developing Economy
150. Aug. '88	Dah-Lih Wang	Existence and Efficiency of General Spatial Equilibria
151. Aug. '88	Martin E. Wexler	Residential Adjustment of the Elderly: A Comparison of Non-mobile and Mobile Elderly in Montreal
152. Aug. '88	Byung-Wook Wie	Dynamic Models of a Network Traffic Assignment: A Control Theoretic Approach
153. May '89	Hsun-Jung Cho	Sensitivity Analysis of Equilibrium Network Flows and Its Application to the Development of Solution Methods for Equilibrium Network Design Problems

154. May '89	Jung-Hwa Jin	Home Environment as Symbol of Identity
155. May '89	Ahmed S. Ouf	Planning for Small-Scale Industries in Less Developed Countries: A Systemic Approach
156. Aug. '89	Jyue-Huey Chen	Equity Considerations in the Distribution of Urban Public Services: The Provision of City Parks in Taipei City
157. Dec. '89	Ali Al-Naser	The Need for Developing Policies and Guidelines for Future Growth of Secondary Cities in Saudi Arabia: The Case of Hofuf
158. Dec. '89	You-Lian Chu	A Combined Trip Distribution and Assignment Model with Dogit Destination Demand Functions
159. Dec. '89	Cheng-Chang Lin	A Land Use and Transportation Network General Equilibrium Model
160. May '90	David J. Bernstein	Programmability of Continuous and Discrete Network Equilibria
161. May '90	Khaled El-Khishin	Planning for Growth in the Cairo Region: A Strategic Management Approach Modelled on the Paris Experience
162. May '90	Virginia J. Smith	A Qualitative, Longitudinal Analysis of the Experience of Families Caring for Disabled Older Persons in the Community
163. Dec. '90	Saul M. Spivack	Chronic Illness and Serial Hospitalizations: An Empirical Investigation of a Hidden Problem in the Health Care System
164. May '91	Wen-Yan Chiau	Hazardous Waste Clean-up: Establishing a Framework for Taiwan

165. May '91	Victor Crown	The Role and Organization of the Basic Sciences in Medical Education
166. May '91	Marsha Goldberg	Citizen Involvement and State Decision-Making: the Role of Context
167. May '91	Mary Kathryn Jedrzewski	A Multi-method Approach to Studying Retirement Time-Use Planning
168. May '91	Hesam A. M. Joma	The Earth as a Mosque: Integration of the Traditional Islamic Environmental Ethic with Agricultural and Water Development Policies in Saudi Arabia
169. May '91	Joshua A. Muskin	Primary Schooling and the Informal Economic Sector of the Cote d'Ivoire
170. May '91	William Thomas Walker	Network Economies of Scale in Short-Haul Truckload Operations
171. Aug. '91	Richard F. Brown	Delimiting the Perceived Downtown: A Perceptual Approach
172. Aug. '91	John W. Croucher	The Uses and Management of Common Property Resources: A Collective Action/Club Goods Model
173. Aug. '91	Maged El-Gammal	Luxor, Egypt: Balancing Archeological Preservation and Economic Development. A Policy Analysis Using Computer Transportation and Land Use Simulation Models
174. Aug. '91	Tomer Goodovitch	A Model of the Market for Civil Aviation: The Liberalization of Europe
175. Aug. '91	James McGann	The Competition for Scholars, Dollars and Influence in the Public Policy Research Industry
176. Aug. '91	Qadir Mohiuddin	A Theoretical and Econometric Study of Multinational Enterprise Direct International Business Investment

177. Aug. '91	Isaac Takyi	Transit Service Evaluation: A Multidimensional Approach
178. Dec. '91	William Dougherty	Rural Energy Systems in The Moroccan Highlands: A Case Study of Imlil
179. Dec. '91	Marcha Johnson	The Opportunity to Design Post-Industrial Waterfronts In Relation to Their Ecological Context
180. Dec. '91	Chaesung Lee	Multi-Family Housing Units: Occupants, Location and Their Effects on Neighborhoods
181. Dec. '91	Judith Magel	Physician Long Term Care Risk Assessment
182. Dec. '91	James Miller	The Fairest, Fruitfullest and Pleasantest of all the World: An Environmental History of the Northeast Part of Florida
183. Dec. '91	Deborah Prindle	The Role of Secondary Cities in African Rural Development: Case Studies of Kikwit, Zaire and Kayes, Mali
184. Dec. '91	Sam Youl Yoo	Dynamic Changes of Regional Structure with Special Reference to Infrastructure Using a Multivariate Approach: The Case of Korea
185. May '92	Winston Allen	The Role of United States Voluntary Non-Governmental Organizations as Development Planning Agents in Sub-Saharan Africa
186. May '92	Amiruddin Ardani	Analysis of Regional Growth and Disparity: The Impact of Analysis of the INPRES Project on Indonesian Development Gadjah Mada Univ., Yogyakarta, Indonesia
187. May '92	Sergio Blanco	Sustainable Alternatives for New

		England Small Farms: A Study on Physical and Cultural Influences in the Adoption of Regenerative Farming Methods in New England Small Farms
188. May '92	Ahmed Hassan	Housing the Urban Poor in Egypt: A Social Systems Approach
189. May '92	Ryoichi Ishii	Location Behavior and Spatial Organization of Multinational Firms and Their Impact on Regional Transformation in East Asia: A Comparative Study of Japanese, Korean, and U.S. Electronic Firms
190. May '92	Hobung Lee	The Investigation of Equilibrium Methods in Spatial Interaction Models
191. May '92	Hyok-Joo Rhee	A Study on the Efficient Provision of Local Public Goods
192. May '92	Osman Shahenshah	Environmental Policy for Sustainable Development: A Study of Pakistan
193. Aug. '92	Abdulaziz Bin Ayyaf Al-Mogren	Bridging the Gap: Centralization vs. Decentralization in the Saudi Municipal Planning System, and Its Impact on The Physical Environment
194. Aug. '92	Mary Corcoran	Spousal Caregivers of Elderly With Dementia: A Descriptive Study of Care Theories
195. Dec. '92	Jeanette Bressler	The Institutional Impact and Appopriateness of AIDS Nursing Home Care
196. Dec. '92	Amy Hosier	A Model of the Office Market
197. Dec. '92	Celestina Jones	Egyptian Housing Market Dynamics:

		Risk-Analysis, Negotiation and Tolerance of Regulatory Non-Compliance
198. May '93	Tae Ho Byun	Mythos of Poiesis and Poiesis of Mythos
199. May '93	Raul Bruno Garcia	Changing Paradigms of Professional Practice. Education and Research in Academe: A History of Planning Education in the United States
200. May '93	Young-Jun Han	Preservation of Riparian Vegetated Area as an Alternative to Reduce Water Pollution in the Han River Basin, Korea
201. May '93	Yang-Bin Im	A Study on the System Calibration on the Integrated Land Use and Transportation Models
202. May '93	Su Liao	Success by Indirection: The Taiwan Government's Emphasis on National Economic Growth Fostered Housing Development
203. May '93	Katsuhide Nagayama	A Theoretical Institution for Relocation and Eviction of Squatter Settlement
204. May '93	Xinhao Wang	The Development of a Decision-Support System Groundwater Protection Programs
205. Aug. '93	Dong-Uk Lee	Toward a Reconstruction of Rationality in Theory and Practice: Two Essays on Rationality
206. Aug. '93	Yiu-Tsan Mak	Decomposition Methods for Solving Discrete-Continuous Facility Location Models with Non-Linear Objective Cost Functions

207. Aug. '93	You-Xuan Zhu	Urban Land Market Development in China: Implications on the Urban Planning Practice
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209. Aug. '93	James Quigley	Trash Incineration, Recycling and the Environment: A Descriptive Case Story of Current Efforts to Resolve a City Planning Dilemma
210. Dec. '93	Nasser A. Al-Mobarak	From Order Taker to Policy Maker: The Expanding Role of Planning in the Socio-Economic Development of Saudi Arabia
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212. Dec. '93	David Sydney Jones	Traces in the Country of the White Cockatoo: Chinna Junnak Cha Knaek Grugidj
213. Dec '93	Adina B. Newberg	Family and Work in Organizational Life: The Case of a Contemporary Synagogue
214. Dec. '93	Daniel A. Seni	Elements of a Theory of Plans
215. May '94	Mehmet Adnan Barlas	The Street: Its Meaning, Functions, Origins, Death, and Rebirth.
216. Aug. '94	Hwang, Jeahoon	The Reciprocity Between Architectural Typology and Urban Morphology.
217. Aug. '94	Annemie Laarakker	Citizen Involvement and Solid Waste Management Planning.

218. Aug. '94	Ziad El-Mously	A Systematic Approach to the Calibration of Traffic Assignment Models.
219. Aug. '94	Terry Plater	Forced Migration and Resettlement as a Strategy for Development: An Analysis of Implications Based on A Study of the New Halfa Scheme in Eastern Sudan.
220. Aug. '94	Joyce Ann Pressley	The Problems of Infrastructure Location, Access and Capacity in Rural Development: Rural Market Infrastructure, Agricultural Markets and Marketing in the 54 Districts of Uttar Pradesh, India.
221. Aug. '94	Jyh-Fa Tsai	Models for Optimal Price and Level of Service Positioning of Intermodal Service in Competition with Truck Service.
222. Dec. '94	Joel Anton Forkosch	Mind Over Matter: Independent Living for Brain Injury Survivors.
223. Dec. '94	Chang-Moo Lee	Greenbelt Impacts on Dynamics of Physical Urban Development and Land Market: A Welfare Analysis - The Case of Seoul's Greenbelt
224. Dec. '94	Sheila S. Mitra Sarkar	A Method for Evaluation of Pedestrian Spaces on Urban Streets.
225. Dec. '94	Mary S. Wright Struthers	The Value of Process in Health Care Outcomes: Qualitative Analysis of a Functional Status Measure in Rehabilitation.
226. Dec. '94	Jian Zhang	Traffic Assignment Models With Multiple User Classes.
227. Dec. '94	Kyung-Jin Zoh	Re-Inventing Gardens: A Study in Garden Theory.

228. May '95	Chang-Shan Huang	How Can We Avoid Placelessness? A Phenomenological Study of Place and Place-Making with Four Case Studies of Landscape Design Projects in Boston and its Vicinity.
229. May '95	Seung-Tae Kim	Adaptive Cartographic Modeling System in Guiding Urban Growth Boundaries.
230. May '95	Tsung-Yu Lai	Development Management: Establishing a Framework for Managing Urban Development and Redevelopment in Taiwan, a Case Study of Taipei Municipality.
231. May '95	Yvonne Scruggs-Leftwich	Consensus and Compromise: An Analysis of the National Urban Policy Development Process.
232. May '95	Pingning Shen	Optimized Network Equilibrium Models of Combined Travel and Residential Location Choices.
233. May '95	M. Kamil Siddiqi	Functional Analysis and Long Term Performance Evaluation of a Public Transportation System: A Case Study of SEPTA (1968-1988).
234. Aug. '95	Lauren Archibald	Below-ground planning in Local Communities: Case Studies of Five Archaeological Preservation Programs
235. Aug. '95	Jose J. Jimenez	Comparative Evaluation of Bus Transit Performance: Case Study of Toluca, Mexico and Philadelphia, Pennsylvania
236. Aug. '95	Helen Ahada Stanford	A Study of Mortgage Underwriting Criteria and Urban Mortgage Credit Availability
237. Dec. '95	Yoshihiro Asano	An Interpretive Approach to the Meaning of Urban Landscapes: A Case

		Study of a Waterfront Landscape in Inner Tokyo
238. May '96	Guillermo Abdel	Firm Network Transformation After Trade Liberalization: The Case of Mexican Manufacturing
239. May '96	Feng Liu	Environmental Equity: Linking Population Distribution With Environmental Risk Distribution
240. May '96	Steven Peuquet	The Homeless in Delaware
241. May '96	David Phillips	Intersections of Modernity and Tradition: An Urban Planning History of Tokyo in the Early Meiji Period (1868-1888)
242. Aug. '96	Anuradha Rao	Men and Women in an Academic Science Department: An Organizational Ethnography
243. Aug. '96	Fuad Malkawi	Hidden Structures: An Ethnographic Account of the Planning of Greater Amman
244. Dec. '96	Abdulaziz Abu-Sulaiman	Learning to Plan: Jeddah, 1959-87
245. Dec. '96	Nae-Young Choei	A Study on the Distributional and Efficiency Consequences of the Housing Finance Subsidy Programs: The Case of Korea
246. Dec. '96	David L. Stiff	An Equilibrium Model of Activity Location and Land Allocation: A Simulation of the Land Market for Portland, Oregon
247. Dec. '96	Tamara Hennings	Debt for Nature Swap Experience: Structuring a Transnational Domain
248. May '97	Elisabeth Infield	Stories of the Land: Rhetoric and Reconciliation in the Mojave National Preserve.

249. May '97	Joseph Louis Nasr	Reconstructing or Constructing Cities? Stability and Change in Urban Form in Post-World War II France and Germany
250. Aug. '97	Shih-Liang Chan	The Development of Planning Support Systems by Integrating Urban Models and Geographic Information Systems: A Framework and Implementation
251. Aug. '97	Joseph Hacker, IV	Identifying Women's Transportation Disadvantage and Measuring Bus Accessibility to Medical Facilities
252. Aug. '97	Carolyn Latimore	Gender, Justice, and Development: Women and Development in Ghana
253. Aug. '97	Yong Eun Shin	Analysis of City/Transportation System Relationship via Land Consumption
254. Dec. '97	Byungseol Byun	The Dynamics of Regional Product Inequality by Expanded Rank-Size Functions
255. Dec. '97	Dorothy Ives Dewey	Strategy and Communication in the Real Estate Development Process – Three Case Studies
256. Dec. '97	Felipe Javier Gorostiza Arroyo	Space, Order, and the Sign: The City of the New World
257. Dec. '97	Roseann Murphy Jones	The Business of Science: A Study of How the Pursuit of Biomedical Science Ventures in Changing Academic Medical Centers
258. Dec. '97	Wen-Yen Lin	The Pursuit of Knowledge, and the Business of Science
259. Dec. '97	Nilton Torres	Planning and Bureaucracy: A Critical Analysis of Urban and Housing Policy Framing in a Bureaucratic horitarian State – The Case of Brazil

260. May '98	Hussain Mousa Dashti	A Study of the Feasible Relationship Between Travel Behavior and Land Use Patterns: A Case Study of Montgomery County, PA
261. May '98	Johannes M. Hailu	Factors Affecting Housing Preference Under Conditions of Limited Choice – the Case of Addis Abeba
262. May '98	Daniel Jordan Marcucci	The Utility of Landscape History for Planning the Long Pond Macrosite in Monroe County, Pennsylvania
263. Aug. '98	Majid Abdulsamad Enani	Urban Design and Planning Criteria for Large Scale Mixed-Use Developments (MXDs): Modeling Saudi Arabian Major Cities
264. Dec. '98	Wen-Chieh Wang	Object-Oriented Cartographic Modeling Techniques in Physical Planning
265. May '99	Richard Wayne Berman	Assessing Urban Design: Historical Ambience on the Waterfront
266. May '99	Iskandar Saleh	Housing Market Dynamics in the Metropolitan Area: A Case Study of the Informal Housing Markets in the Metropolitan Jabotabek, Indonesia
267. Aug. '99	Brian John Tehan	An Evaluation of U.S. Employer Trip Reduction Programs: Urban Transportation Planning and Policy Implications
268. Aug. '99	Jen-Yu Wu	The Worker Households, Commuting Patterns, Races, and Residence and Job Location Choices
269. Aug. '99	George Terahara	Rail Network Analysis for Coal Transportation in China Environmentalism and its

270. Dec. '99	Ali Y. Ba-Ubaid	Environment, Ethics and Design: An Inquiry into the Ethical Underpinnings for a Contemporary Environmentalism and its Environmental Design Implications
271. Dec. '99	Yong Un Ban	Environmental Justice and Superfund NPL Designation in the Application of the Hazard Ranking System: Case Study in EPA Region III Using GIS
272. May '00	Thomas William Pederson	The Visual Analysis of Spatial Regression
273. Dec. '00	Elaine Jessie Yuen	Severity of Illness and Ambulatory Care Sensitive Conditions
274. May '01 Towards	Paul E. Patterson	An Object-Oriented Approach Spatial Aggregation: The Design, Utilization, and Evaluation of the Spatial Aggregation Modeling Engine (S.A.M.E.)
275. Aug. '01	Shirley Loveless	The Cost and Time Effects of Alternative 'Reverse Commute' Options on Low Income Urban Residents: A Philadelphia Region Case Study
276. Dec. '01	Kimani Choi	Application of Pooled Data Techniques in the Calibration of Spatial Interaction Models
277. Dec. '01	Lorlene M. Hoyt	Business Improvement Districts: Untold Stories and Substantiated Impacts
278. Dec. '01	Takekuni Kurosawa	Restaurants and Urban Revitalization: The Case of Center City Philadelphia
279. May '02	Samuel Alatorre	Fiscal Federalism and Intergovernmental Fiscal Revenue Sharing in Mexico: The Municipal Perspective

280. May '02	Gwang Ya Han	A Geography of the Internet
281. May '02	Lai-Yung Kang	The Power of Flows and the Flows of Power: The Taipei Station District Across Political Regimes
282. May '02	Dimitris Poulakidas	Residential Choice and Locational Quality: A Discrete Choice Modeling Approach
283. May '03	Nisha Botchwey	Taxonomy of Religious and Secular Nonprofit Organizations: Knowledge Development and Policy Recommendations For Neighborhood Revitalization
284. May '03	William J. Cohen	A Critical Assessment of Ian McHarg's Human Ecological Planning Curriculum at the University Of Pennsylvania
285. May '03	Yongmin Yan	Disaggregation Analyses of Spatial Interaction Residential Location Models
286. Aug. '03	Donald E. Curley	An Analysis of Trading Ratio for Water Pollution Control Trading Systems Using a Geographic Information System and the Finite Segment Method
287. Aug. '03	Kyi May Kaung	Modernization, Breakdown and Structural Configurations: Retrogression in Burma (1962-88)
288. Aug '03	Takeshi Shirabe	Decomposing Integer Programming Models for Spatial Allocation
289. Dec. '03	Barbara Stabin Nesmith	Thinking about Vacancy: Conceptual Schemes for Representing Vacant Properties in City Planning

290. May '04	Peter Hendee Brown	Port Authorities and Urban Redevelopment: Politics, Organizations, and Institutions on a Changing Waterfront
291. May '04	Daniel Campo	Vernacular Recreation at Brooklyn Eastern District Terminal
292. May '04	Annemarie Constantinescu-Strihan	Patterns of interaction across borders: space, language, and architecture; a network model applied to border regions in Belgium and Spain
293. May '04	Lynn Ann Mandarano	Protecting Habitats: New York-New Jersey Harbor Estuary Program. Collaborative Planning and Scientific Information
294. May '04	Yunwoo Nam	Spatial Variation of Residential and Employment Land Consumption Rates in a Metropolitan Region: Atlanta, Chicago, Sacramento, San Antonio
295. May '04	Theresa Denise Williamson	Catalytic Communities: The Birth of a Dot Org
296. May '04	Hara Wright-Smith	The Impact of Inner-City Commuter and Community Congregations on Civic Engagement and Social Action
297. Aug. '04	Chao-Che Hsu	A Stochastic User Equilibrium model with Implicit Travel Time Budget Constraints A Method for Evaluating Perceived Accessibility
298. May '05	Yang Liang Chua	Multi-agent Simulation of Residential Property Value Dynamics
299. May '05	Georgia Pozoukiduo	Increased Usability of Urban & Land Use Models: The Role of Knowledge Based Systems in Facilitating Land Use Forecasting to Planning Agencies

300. May '05	Jienki Synn	Systems Approach to Metro Network Design
301. May '05	Makiko Takahashi Tanaka	Public Participation Using Consensus Building for Land Use Planning in the United States and Japan
302. May'05	Paisarn Tepwongsirirat	The Vendor and the Street: The Use and Management of Public Spaces in Bangkok
303. May '07	Karen Beck Pooley	Effective Neighborhood Revitalization Strategies: The Array and Impacts of Subsidized Place-Based Investments in Philadelphia
304. May '08	Melissa Julie Saunders	Civic Design Organizations
305. May '09	Hillit Meidar Alfi	Measuring the Utility of Urban Infrastructure Systems
306. August '09	Daniel A. Moscovici	Land Preservation's Effect on the Environment, Economy and Society of the Maine, New Hampshire, Vermont and Adirondack Region of New York
307. August '09	Khaled Tarabieh	A Pilot Framework for Energy Performance
308. May '10	Rong-Syh Huang	A Tool for Solving Land Use Conflicts? – A Study in TDR in Taiwan
309. May '10	Stephanie Ryberg	Neighborhood Stabilization Through Historic Preservation: An Analysis of Historic Preservation and Community Development in Cleveland, Providence, Houston and Seattle
310. May '10	Nicholas Stapp	A Methodology for the

		Documentation and Analysis of Urban Historic Resources
311. May '11	Amanda Gay Johnson	Developing Urban Arts Districts: An Analysis of Mobilization in Dallas, Denver, Philadelphia, Pittsburgh, and Seattle
312. May '11	Sisi Liang	Physical Planning Strategies of National High-Technology Industrial Development Zones in China
313. May '12	Evangeline Rose Linkous	The Use of Transfer of Development Rights to Manage Growth: The Adoption and Performance of Florida County TDR Programs
314. May '12	Matthias N, Sweet	Are We Done Fighting Traffic? Planning Congestion Resilient Regions
315. May '14	Stuart Andreason	Will Talent Attraction and Retention Improve Metropolitan Labor Markets? The Labor Market Impact of Increased Educational Attainment in U.S. Metropolitan Regions 1990-2010
316. May '14	Catherine Brinkley	Fringe Benefits
317. May '14	Seung Ah Byun	A Comparative Evaluation of State Policies and Programs for NonPoint Source Pollution Control in the Chesapeake Bay Watershed
318. May '14	Amy Lynch	Is it Good to be Green?: An Assessment of County Green Infrastructure Planning in Colorado, Florida, and Maryland
319. August '14	Mengke Chen	Impacts of French high-speed rail

		investment on urban agglomeration economies
320. May '15	Benjamin Chrisinger	If You Build It, Will They Come, and What Will They Eat? Investigating Supermarket Development in Food Deserts
321. May '15	Meagan Ehlenz	Anchoring Communities: The Impact of University Interventions on Neighborhood Revitalization.
322. May '15	Theodore Eisenman	Making Meaning of Urban Greening in the Anthropocene
323. May '15	Kristen Kinzer	Implementation by Committee: A mixed methods study of leveraging public engagement to support community sustainability plan implementation
324. May '15	John Robinson	Amenities, Walkability, and Neighborhood Stability: A Mixed Methods Analysis
325. May '15	Ralph Rosado	What will the Neighbors Say? How Differences in Planning Culture Yield Distinctive Outcomes in Urban Redevelopment: The Example of the Community Benefits Agreement Trend
326. May '15	Yu-Shou Su	Rebuild, Retreat, or Resilience: Can Taipei Plan for Resilience?
327. August '15	Ken Steif	Toward School Improvement Districts: School Quality & The Equitable Revitalization of Neighborhoods

328. Dec '15	Albert Tonghoon Han	Evaluating the Performance of the Greenbelt Policy for Present and Future Urban Growth Management and Environmental Protection - A Case Study in the Seoul Metropolitan Area of South Korea
329. May '16	Mary F.Rocco	Partnership, Philanthropy and Innovation: 21 st Century Revitalization in US Legacy Cities
330. May '16	Janet Weiner	No-Trespass Policies in Public Housing
331. August'16	Caroline Cheong	Urban Conservation and Regeneration in the 21 st Century: An Assessment of the Historic Centers of Quito, Ibarra, Loja and Cuenca, Ecuador
332. August '16	Amber Woodburn	Pushback in the Jet Age: Investigating Neighborhood Change, Environmental Justice, and Planning Process in Airport-Adjacent Communities
333. August '16	Simon Mosbah	Airports, Airport Expansions and Employment at Local and Regional Scale
334. May '17	William Fleming	The End of the Line: The Nature and Politics of Resilience in Galveston, Norfolk, and New York City
335. May' 17	Theodore Chao Lim	Land, Water, Infrastructure & People: Considerations of Planning Distributed Stormwater Management Systems
336. May '18	Jae Min Lee	Hidden Cities: Reinventing the Non-Space Between Street and Subway
337. May '18	Daniel Suh	Forecast to Grow: Aviation Demand Forecasting and Peer-Group Learning in the Era of Demand Uncertainty and Optimism Bias

338. May '18	Eliza Whiteman	Eating at the End of the Month: The SNAP Cycle, Its Management and Impact on the Health of Low-Income Households
339. May '19	Zoe Warner	Influence of Landscape Spatial Patterns and Land Use Planning on Grassland Bird Habitat Occupancy in Chester County, Pennsylvania
340. May '20	Chandan Deuskar	Planning and the Politics of Informal Urbanization
341. May '20	Xiaoxia Dong	A Philadelphia Ride-Share Story: What Does Ride-Share's Growth Mean For Transit?
342. May '20	David Stanek	Socioeconomic Neighborhood Change in Local Historic Districts of Large American Cities, 1970-2010: A Mixed Methods Approach
343. May '21	Laurent Corroyer	Prioritizing Infrastructure Investments for Inter-metropolitan Mobility
344. May '21	Sa Min Han	Planning for Change: National Climate Adaptation Efforts and Vulnerable Coastal Communities in South Korea
345. May 21	Samuel Alex Geldin	Rethinking the Heavy Hand of Flood Prevention in Informal Settlements: An Investigation of Retreat-Related Practices in the Philippines

346. May '22	Chaeri Kim	Institutionalization of Green Infrastructure Planning
347. May '22	Shengxiao Li	“Aging in Place” or “Stuck in Place”? Transportation Planning for the Older Adults in the Digital Era in the United States
348. May '22	Jennifer Rae Whittaker	Opportunities for Engaging Planning’s Core Values and Skills To Improve Maternal and Child Health in Rural U.S. Communities
348. May '23	Bing-Yu Chiu	Transforming the Asian Motorcycle City? Evaluating Travel and Urban Development Effects of the Mass Rapid Transit in Taipei, Taiwan
349. May '23	Christine Quattro	Investigating Disparate Impact, Zoning’s Spatial Relationship to Low-Income Populations and People of Color in Major US Cities
350. May '23	Boqian Xu	Transforming China’s National New Areas Towards Ecological Civilization: A Planetary Ecological Perspective and a Scenario Modeling Method
351. Aug '23	Yeonhwa Lee	Understanding Neighborhood Income Diversity: A Mixed-Methods Approach
352. Aug '23	Joshua Davidson	Linking Quasi-Experiments With Spatial Approaches for Equity-Oriented Transportation Models: Applications to Bikeshare in the Covid-19 Period

Appendix B. Graduate Group in City and Regional Planning Faculty Directory

Francesca Ammon	Associate Professor of City and Regional Planning and Historic Preservation (Weitzman School of Design)	fammon@design.upenn.edu
Nikhil Anand	Associate Professor of Anthropology (School of Arts and Sciences)	nanan@sas.upenn.edu
Eugénie L. Birch	Lawrence C. Nussdorf Professor of Urban Research & Education (Weitzman School of Design)	elbirch@upenn.edu
Sanya Carley	Presidential Distinguished Professor of Energy Policy and City Planning (Weitzman School of Design)	scarley@upenn.edu
Ram Cnaan	Professor and Director of Program for Religion and Social Policy Research (School of Social Policy and Practice)	cnaan@sp2.upenn.edu
Thomas L. Daniels	Crossways Professor of City and Regional Planning (Weitzman School of Design)	thomasld@design.upenn.edu
Elizabeth Delmelle	Associate Professor of City and Regional Planning, Director of MUSA (Weitzman School of Design)	delmelle@design.upenn.edu
Gilles Durantón	Dean's Chair in Real Estate Professor (The Wharton School)	duranton@wharton.upenn.edu
Lance Freeman	Penn Integrates Knowledge University Professor & James W. Efron University	lancefre@design.upenn.edu

Professor (Weitzman School of Design)

David Gouverneur	Assistant Professor of Practice (Weitzman School of Design)	dgg@design.upenn.edu
Erick Guerra	Associate Professor of City and Regional Planning (Weitzman School of Design)	erickg@design.upenn.edu
David Grazian	Professor of Sociology and Communication Faculty Director of Urban Studies (School of Arts and Sciences)	dgrazian@soc.upenn.edu
Jamaal Green	Assistant Professor of City and Regional Planning (Weitzman School of Design)	jamaalg@design.upenn.edu
Amy Hillier	Associate Professor (School of Social Policy and Practice)	ahillier@upenn.edu
Allison Lassiter	Assistant Professor of City and Regional Planning (Weitzman School of Design)	alass@design.upenn.edu
Zhongjie Lin	Associate Professor of City and Regional Planning (Weitzman School of Design)	zlin@design.upenn.edu
Sarah Lopez	Associate Professor of City and Regional Planning (Weitzman School of Design)	Slopez1@design.upenn.edu
Randall F. Mason	Associate Professor of Historic Preservation (Weitzman School of Design)	Rfmason@design.upenn.edu
Lisa Mitchell	Associate Professor of South Asia Studies (School of Social Policy and Practice)	lmitch@sas.upenn.edu
Laura Perna	Vice Provost for Faculty James S. Riepe Professor of Education (Graduate School of Education)	perna@gse.upenn.edu
Vincent Reina	Associate Professor of City and Regional Planning (Weitzman School of Design)	vreina@upenn.edu
Akira Drake Rodriguez	Assistant Professor of City and Regional Planning (Weitzman School of Design)	akirad@upenn.edu

Megan Ryerson	Associate Professor of City and Regional Planning (Weitzman School of Design)	mryerson@design.upenn.edu
Lisa Servon	Kevin and Erica Penn Presidential Professor Department Chair of City and Regional Planning (Weitzman School of Design)	servon@design.upenn.edu
Frederick R. Steiner	Paley Professor and Dean (Weitzman School of Design)	fsteiner@design.upenn.edu
Mark J. Stern	Professor (School of Policy and Practice)	stern@sp2.upenn.edu
Marilyn J. Taylor	Professor of Architecture and Urban Design (Weitzman School of Design)	mjtaylor@design.upenn.edu
Domenic Vitiello	Associate Professor of City and Regional Planning (Weitzman School of Design)	vitiello@design.upenn.edu
Susan Wachter	Albert Sussman Professor of Real Estate (The Wharton School)	wachter@wharton.upenn.edu
Richard Weller	Martin and Margery Meyerson Professor of Urbanism (Weitzman School of Design)	rjweller@design.upenn.edu
Amber Wiley	Presidential Associate Professor of Historic Preservation (Weitzman School of Design)	ambwiley@design.upenn.edu

APPENDIX C. Faculty: Select Bibliography

This select bibliography will familiarize you with the research interests of our Graduate Group Faculty. It includes books and key articles that they have written but it is by no means comprehensive.

- Francesca Ammon** Francesca Russello Ammon, "Urban Renewal through Rehabilitation and Restoration," in *The Many Geographies of Urban Renewal: New Perspectives on the Housing Act of 1949*, ed. Douglas R. Appler (Philadelphia: Temple University Press, 2023).
- Francesca Russello Ammon, "Picturing Preservation and Renewal: Photographs as Planning Knowledge in Society Hill, Philadelphia," *Journal of Planning Education and Research* 42, no. 3 (September 2022), [doi:10.1177/0739456X18815742](https://doi.org/10.1177/0739456X18815742).
- Francesca Russello Ammon, *Preserving Society Hill*, <https://preservingsocietyhill.org> (2021).
- Francesca Russello Ammon and Wendell E. Pritchett, "The Long History of Unfair Housing, from Reconstruction to the Fair Housing Act," in *Perspectives on Fair Housing*, eds. Vincent Reina, Wendell E. Pritchett, and Susan Wachter (Philadelphia: University of Pennsylvania Press, 2020).
- Francesca Russello Ammon, "Reversing the Tide of Suburban Families? The Design, Marketing, and Occupancy of Urban Renewal's High-rise Housing," *Journal of Planning History* 19, no. 4 (2020), [doi:10.1177/1538513219897989](https://doi.org/10.1177/1538513219897989).
- Francesca Russello Ammon, "Resisting Gentrification Amid Historic Preservation: Society Hill, Philadelphia and the Fight for Low-Income Housing," *Change Over Time* 8, no. 1 (Spring 2018): 8-31, <https://muse.jhu.edu/article/717926>.
- Francesca Russello Ammon, "Digital Humanities and the Urban Built Environment: Preserving the Histories of Urban Renewal and Historic Preservation," *Preservation Education and Research* 10 (2018): 11-30. <http://www.francescaammon.com/s/Ammon-Digital-Humanities-and-the-Urban-Built-Environment-PER-2018.pdf>.
- Francesca Russello Ammon, *Bulldozer: Demolition and Clearance of the Postwar Landscape* (New Haven: Yale University Press, 2016).
- Nikhil Anand** *Anthroposea: Perfect Pollution and Planning in Mumbai's Wetscapes*. * *Environment and Planning D: Society and Space*. doi/10.1177/02637758231183439
- Enduring Harm: Unlikely Comparisons, Slow Violence and the Administration of Urban Injustice*. * *International Journal of Urban and Regional Research* 46(4): 651-659. Co-authored with Bethany Wiggin, Lalitha Kamath and Pranjal Deekshit.
- After Breakdown: Invisibility and the Labour of Maintenance*. * *Economic and Political The Promise of Infrastructure*. * Edited by Nikhil Anand, Akhil Gupta and Hannah Appel. Durham: Duke University Press. 264 pages

Hydraulic City, Water and Infrastructures of Citizenship in Mumbai, Durham: Duke University, 2017.

Eugénie L. Birch

[Nature in Cities: Time to Assess, Quantifying Urban NbS Investments and Co-Benefits, State of Financing Nature: Summary for Policy Makers](#), Nairobi: United Nations Environment Program (UNEP), January 2023. (with Mauricio Rodas, Samuel Geldin and Amanda Lloyd).

[Assessing Nature Based Solution Investments for Urban Resilience](#) Philadelphia: Penn Institute for Urban Research), April 2023.

“Realigning the Governance Architecture After COVID-19: City Diplomacy and Multilateral Institutions” [Journal of International Affairs](#), 74:1 (Fall Winter 2022) 207-226 (with William Burke-White).

[Powering the Slum II: Alternative Sources of Energy in Accra’s Informal Settlements](#), Philadelphia: University of Pennsylvania, Kleinman Center for Energy Policy, December 2022 (with James Kwame Mensah).

[Covered Bonds: Can They Help Finance Rental Housing in Korea?](#) Washington, DC Wilson Center and Pusan, Korea, Housing and Urban Guarantee Corporation, November 2022.

[A Standardized Approach for Analysis of the Enabling Framework Conditions Related to Cities’ Ability to Access Climate Finance](#), CCFLA (Cities Climate Finance Leadership Alliance), October, 2022.

[Time for a New Social Contract: Rebuilding Trust in Government](#), Policy Paper for UCLG World Assembly Town Hall, Daejeon, Korea October 2022 (with multiple authors).

[#Galapagos Goes Green: Galapagos Green Mobility Strategy](#), Philadelphia: Penn IUR, 2022

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[Rethinking City Revenue and Finance](#), Geneva: World Economic Forum, Global Futures Council on Cities of Tomorrow, August, 2022 (with multiple authors)

<https://www.weforum.org/reports/rethinking-city-revenue-and-finance>

[Innovation and Entrepreneurship in the Higher Education Landscape 2017-2021](#), Connecticut Next, Hartford CT, October, 2021 (with Amanda Lloyd).

[Powering the Slum, Meeting SDG 7 in Accra’s Informal Settlements](#). Philadelphia: University of Pennsylvania, Kleinman Center for Energy Policy, April 2021 (with James Kwame Mensah).

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APPENDIX D. Current PhD Candidates/Students

Name	Status	Contact Information
Robert Levinthal	Candidate	robmlev@design.upenn.edu
Sirus Libeiro	Candidate	slibeiro@design.upenn.edu
Kimberly Noronha	Candidate	knoronha@design.upenn.edu
Charles Starks	Candidate	cstarks@design.upenn.edu
Jaquan Arzu	Student	jayarzu@design.upenn.edu
Rachel Corinna Bondra	Student	rbondra@upenn.edu
Travis Lloyd Decaminada	Student	tdec@upenn.edu
Kirstin Fisk Engelman	Student	engek@upenn.edu
Rance Gary Dudois Graham-Bailey	Student	rgbailey@upenn.edu
Yining Lei	Student	yiningl@upenn.edu
Diana Negron	Student	dpnegrn@design.upenn.edu
Stephanie Rivera-Kumar	Student	sfenniri@design.upenn.edu
Umair Bin Saad	Student	umsaad@upenn.edu
Ziyi Tang	Student	Tangziyi@upenn.edu
Hui Tian	Student	huitian@upenn.edu
Tiffany Minh Tran	Student	tfmtran@upenn.edu
Jasmine Siyu Wu	Student	jsiyuwu@upenn.edu

APPENDIX E. PhD Requirements

Task	Requirement
Matriculation	Full-time until completion of degree. Total time allowable 10 years (five years to advance to candidacy, five years to complete and defend dissertation)
Coursework	20 course units, to be completed in first 5 semesters, taken at the rate of 4 course units/semester, and including:
Doctoral Seminar	4 course units taken in first 4 semesters
Research Methods	2 course units (CPLN 508 recommended)
Fields	2 courses each in 2 fields
Preparatory Requirements	To be completed in the first 5 semesters
Writing and Presentation	4 written assignments completed in the first 4 semesters
Review Essay	First semester Doctoral Seminar
First Year Paper	Second semester Doctoral Seminar
Second Year Paper	Third semester Doctoral Seminar
Draft Dissertation Proposal	Fourth semester Doctoral Seminar
Scholarly Preparation	4 semesters RF/TF plus orientation and jury service
Research Fellowship	One semester (minimum)
Teaching Fellowship	One semester (minimum) other semesters divided between TF and RF at the discretion of Graduate Group Chair
TA orientation	Attend session in summer after the first year of full-time study
Masters juries	Serve on 4 masters level studio or workshop juries
Qualifying Examination	Written examination on History and Theory of Planning to be taken by the end of the second semester of full-time study
Candidacy Examination	Two part written and oral examination to be completed and defended during the 5th semester
Two Field Examinations	Written examinations to be completed by the before the 5 th semester of full-time study, taken in a 21-day period. Submission of Field Examination Statement by beginning of Second Year.
Oral Examination	Oral defense of the two field examinations and discussion of draft dissertation proposal within 3 weeks of completing the last field examination
Acceptance of Dissertation Proposal	To be completed during fifth semester of full-time study according
Apply for A.M. degree	All students who advance to candidacy are eligible to earn an A.M. Apply to https://apps.sas.upenn.edu/sso/gas/degree/app-start.php
Annual Meetings of Dissertation Committee	A candidate must meet annually with his/her Dissertation Committee until the thesis is completed; he/she must submit a first draft two months in advance of the deposit date; and submit a second draft one month in advance of the deposit date
Dissertation Defense	Candidate defends his/her thesis in front of the Dissertation Committee
PhD Colloquium	Candidate offers a public presentation of his/her thesis findings
Dissertation Deposit	Pursuant to university rules

APPENDIX F. Standard Outline for Dissertation Proposals

You will be preparing a draft proposal in CPLN 800 Doctoral Seminar and completing the draft during the time you are preparing for your field examinations, submitting it to your dissertation committee two weeks before your oral defense. You will discuss the draft with your committee at the time of your oral field examination. The Committee will then decide the next steps i.e., whether to approve the proposal or require additional revision and discussion. The dissertation acceptance should be completed by your fifth semester of full-time study, if not sooner.

Proposal for a PhD Dissertation in City and Regional Planning

A. Cover Page

1. Title of proposed dissertation
2. Name of student
3. Address, phone number, e-mail
4. Date of submission
5. Names of Dissertation Committee Chair and Members

B. Outline

Students should follow this outline in the preparation of draft dissertation proposals.

ABSTRACT	summary of the proposal in less than 200 words.
TABLE OF CONTENTS	list of sections and page numbers
INTRODUCTION	explanation of the general purpose of the research, providing a context for the specific research objectives, and the potential significance or the research in relation to the problem addressed.
LITERATURE REVIEW	concise review of the most significant work related to the proposed research that positions the thesis by identifying gaps in knowledge that the dissertation will fill
STATEMENT OF PROBLEM or RESEARCH QUESTIONS	statement of the problem and research questions
RESEARCH DESIGN	scope of work and the manner in which it will be pursued: a) Outline of approach describing methods in sufficient detail to permit an assessment of their appropriateness in answering the research questions;

b) Description of the kinds and sources of data; its quality, and any anticipated issues

c) Statement of the criteria to be applied in evaluating the research findings; and

d) Schedule and plan of work, outlining the research and writing schedule through the first, second and third drafts and the proposed defense and deposit date.

PROPOSED TABLE

OF CONTENTS

detailed chapter and section headings

BIBLIOGRAPHY

list of references cited in the proposal and other major works related to the proposed research.

**APPENDIX G. Annual Progress Report
Academic Year: 2023 -2024**

TO: GGC
FROM:
RE: Annual Progress Report
DATE:

2023-2024 PROGRESS & ACTIVITIES include (where relevant: status on coursework (fields, methods), qualifying examination; field examinations, dissertation proposal), publications, papers presented etc.

IMMEDIATE “NEXT STEPS” AND ON-GOING WORK (include plans examinations, for publication, conference presentations, etc.)

PLAN FOR 2023-2024 (BY MONTH)

APPENDIX H. Forms

In Progress – will be updated shortly.