This handbook serves as a guide that will help you navigate the doctoral programs in Architecture or Landscape Architecture. For general information pertaining to university policies for graduate students, see the following:

http://www.grad.illinois.edu and follow the links for the on-line version of the “Graduate Student Handbook” (http://www.grad.illinois.edu/gradhandbook).

For the “Code of Policies and Regulations Applying to All Students,” see: http://studentcode.illinois.edu/
ARCHITECTURE AND LANDSCAPE ARCHITECTURE PH.D. PROGRAMS
The Ph.D. Programs in Architecture and Landscape Architecture at the University of Illinois at Urbana-Champaign are unique, jointly administered programs in which students may choose to focus on either Architecture or Landscape Architecture or to work in both areas in a cross-disciplinary fashion. The School of Architecture and the Department of Landscape Architecture are two of the oldest and most distinguished professional degree programs of their kind in North America. Both benefit from internationally distinguished faculty and from one of the largest academic libraries in the world, with more than ten million volumes and state-of-the-art electronic access to archival and database information, as well as access to major collections in nearby cities. The programs emphasize both interdisciplinary study and cross-disciplinary inquiry, drawing upon faculty and resources in a range of campus units as well as in the parent disciplines.

Admission requirements include the submission of an application with a specific and detailed letter of intent for study in one of three areas of concentration: History and Theory, Social and Cultural Factors in Design, or Technology and Environment. This letter of intent is essential for the assessment of the applicant’s interest and intention with respect to our concentrations and our program faculty. Admission requirements also include the submission of academic transcripts, three letters of recommendation from individuals with whom the applicant has studied, GRE exam results, an academic writing sample, and TOEFL results when required.

The annual deadline for receipt of applications for fall admission is January 1 (note that this date may vary). Successful applicants may receive a fellowship, assistantship, and/or tuition and fee waiver to help defray their expenses.

Inquiries should be addressed to:
Chair, Ph.D. Committee
117 Temple Buell Hall, MC-621
611 East Lorado Taft Drive
University of Illinois at Urbana-Champaign
Champaign, IL 61820

Or e-mail: phd-la-arch@illinois.edu

Additional information about the University, the College of Fine and Applied Arts, the School of Architecture, and the Department of Landscape Architecture, can be found at the following web sites:

http://www.faa.illinois.edu
http://www.landarch.illinois.edu
http://www.arch.illinois.edu
OVERVIEW AND DEFINITION
The degree "Doctor of Philosophy" is conferred upon qualified candidates in recognition of the fulfillment of the program requirements, command of specific areas of specialization, and an original contribution to the discipline. The dissertation, the culminating requirement of the Ph.D. degree program, establishes the candidate's mastery of the research methods of his/her specialized field and his/her ability to address a major intellectual problem and arrive at a successful conclusion.

The Ph.D. degree in Landscape Architecture and in Architecture is appropriate for those seeking careers in research and teaching or in roles in government or professional consultation, all of which require depth in specialization and experience in research.

There are three options or areas of concentration within each degree offered by the Ph.D. program:

• Social and Cultural Factors in Design
• History and Theory
• Technology and Environment

Applicants must identify which of the two academic units they are applying to (i.e., Architecture or Landscape Architecture), as well as which option they wish to pursue.

This Ph.D. Student Handbook is designed to introduce you to the programs, their requirements, faculty and university resources, and to help you navigate as you progress toward completion of your degree. Most of the information described in this document outlines the stages of the doctoral program in Landscape Architecture and Architecture:

1. Fulfilling the course and degree requirements.
2. Taking the preliminary exams.
3. Researching and writing the dissertation.
OPTIONS/AREAS OF CONCENTRATION

Social and Cultural Factors in Design
The option in Social and Cultural Factors in Design investigates the relationship between the environment, designed and/or natural, and human behavior. The implications of this relationship inform the basic questions of research in the option. The School of Architecture and the Department of Landscape Architecture each have well-established traditions of leading research in this area. This research employs theories and methods from environment-behavior studies as well as from a range of social science disciples. Faculty and students focused in social and cultural factors engage with scholars from across the social science and applied health science units of the university. The study of links between culturally influenced human behavior and the environment is reinforced by close ties with the Departments of Geography and Anthropology and by the campus presence of centers for race, gender, critical, and area studies. Some students in the Social and Cultural Factors concentration elect to pursue the Graduate Minor in Heritage Studies.

History and Theory
History and Theory are critical components of both Architecture and Landscape Architecture, informing practice and education in both fields. They also, however, stand alone as independent disciplines that contribute to our understanding of human history. At the University of Illinois, histories and theories of the built environment are regarded as essential contributions to scholarship in the humanities. As such, our students and faculty engage in dialogue with a wide range of historians and theoreticians across the campus, contributing spatial and visual modes of inquiry. The concerns of this option encompass the evolution of the entire cultural landscape, including the work of architects, landscape architects, and planners, but also with builders, craftspeople, and the ordinary men and women who create the human environment. The study of architectural and landscape history continually incorporates new research and methods derived from its essential links to other humanistic, social scientific, and technical disciplines. Some students in the History and Theory concentration elect to pursue the Graduate Minor in Heritage Studies.

Technology and Environment
The option of Technology and Environment explores and studies the tools, methods and theories to improve our surroundings and building environments. This option presents a fertile field of research, which has a direct impact on design, management and construction, human comfort, economics, materials, and structural systems. Technology encompasses several areas of study:

1. Building Science and Environmental Technology deals with the science and theory of thermal, luminous, and acoustical environments as they relate to building design and human comfort, and environmental control systems

2. Ecological Design focuses on research related to the design of human-constructed environments as they relate to ecosystem health, human health and comfort, and restoration, remediation, and preservation of earth's natural resources

3. Structures, Materials, and Construction deals with the strength and properties of materials, structures, construction methods, and business practice and management
4. Information and Digital Technology deals with the development of new methodologies of communication and design management, integration and execution of design, methods of visualization, representation and experiencing of designed environments.
RESPONSIBILITIES

Student
According to the aims and intentions stated in the application for admission to the Ph.D. Program, the student will carry out a program of advanced study of formal class work and individual investigation. Students will specialize in individually tailored areas of study: one major field within Architecture or Landscape Architecture and one related minor field, usually from outside these two disciplines. Depending on the area of concentration and faculty advisor, students may also be required to fulfill foreign language and research methodology requirements. After that, students will take their preliminary exams, which qualify them to be "Ph.D. Candidates." Finally, students write their dissertations based on independent research and original investigation.

Faculty Advisor
Upon entering the Ph.D. program, students will be assigned an individual faculty advisor. Faculty advisors provide counsel on matters pertaining to coursework and degree requirements. They also maintain a familiarity with the student's overall progress and, each year, approve the student's annual progress report to the Ph.D. Committee. It is the student's responsibility to maintain regular communication with the advisor, even during periods when the student or advisor is on leave from the University. It is also the student's responsibility to work on dissertation research independently and make good progress in meeting all degree requirements. Note that the faculty advisor need not necessarily serve as the chair of the student's dissertation committee, but in most cases, the faculty advisor is also the chair of the dissertation committee. Any request for a change of advisor by the student requires written notification of the old advisor and written approval of the new advisor as well as written notification of the Ph.D. Committee Chair.

Ph.D. Committee
The Ph.D. Committee, composed of faculty representing each of the study areas of the program, directs the Ph.D. program. The Ph.D. Chair heads the Ph.D. Programs. The Committee is responsible for the following:

- Defining the scope of the Ph.D. program and maintaining its overall standards, policies, and procedures.
- Annually conducting reviews of first and second year Ph.D. students’ plans of study.
- Conducting annual year-end reviews of all Ph.D. students.
- Examining petitions for withdrawal and readmission.
- Reviewing applications for admission to the Ph.D. program.
- Making recommendations for fellowships and tuition waivers.
- General administration of the doctoral programs.

A Community of Students
Fellow Ph.D. students will be one of the student’s richest resources, and it is advantageous for Ph.D. students to stay in contact with one another. Students can compare notes, exchange reading lists, discuss required coursework and test-taking strategies, support each other, and
commiserate. An office for the Ph.D. students in both programs is provided in the Architecture Building (note that the location may change in the future). We hope students will use the Ph.D. office as a place to congregate, create a community, discuss ideas, and create an on-campus “home” for themselves. Keys to the office can be obtained from the School of Architecture Director’s Office (117 Temple Buell Hall).
CURRICULUM
This section of the Handbook outlines general requirements for the doctoral degree. For more specific requirements that pertain to each area of concentration, please see the relevant sections that follow.

A minimum of 96 hours of graduate work must be completed with a minimum grade point average of 3.0 (on a scale where A=4.0) to receive the Ph.D. Of these 96 total hours, a minimum of 64 hours must be earned while in residence. These 64 hours will typically consist of 32 hours of coursework and 32 hours of dissertation research. This coursework comprises graduate-level courses taken for a grade. Except in the case where the course is only offered on a credit/no credit basis, courses must be taken for a grade to fulfill the requirements for the doctorate. For more information on credit and residence requirements, please consult the Graduate College Handbook (www.grad.illinois.edu/gradhandbook).

Students who enter the program with Master’s degrees may be eligible for advanced standing upon a detailed review of their transcripts and coursework. Up to 24 hours of credit towards stage one of the doctoral degree may be obtained with courses completed as part of an advanced degree.* Students who have completed the Illinois School of Architecture’s MS in Architectural Studies may request up to 32 hours of credit toward stage one of the doctoral degree for courses completed as part of this degree.* Students should discuss transfer credits with their advisor and receive the advisor's and the Ph.D. chair's approval for such coursework.

The curriculum for each option is broken into three stages consisting of core courses, electives, and the dissertation.

Students’ curricula are tailored to their individual needs and are determined in close consultation with and under the approval of their primary faculty advisor. Students must submit a plan of study to the PhD Chair in the late fall semester of their first and second years in the Ph.D. program.

All students are required to take two semesters of ARCH/LA 589. This is a one-credit, credit/no credit, introductory seminar for students in their first and second years of the program. All options require 32 hours of elective coursework, of which at least 8 hours must be courses outside of Landscape Architecture and Architecture. After completion of the coursework for stages one and two, students are required to pass a preliminary exam. The final stage is dissertation work, which consists of a minimum of 32 hours registered as ARCH/LA 599 (pass/fail only).

Stage One

Each option begins with one or more foundations or methodology course(s) that introduces the research methods of that discipline. Additional core courses provide grounding in the basic issues, theories, concepts, and methods of the different options.

Typically, Social and Cultural Factors students will take courses on behavioral/design research approaches, a course on environment-behavior theories, an appropriate quantitative and/or qualitative methods course, and a course on historical and contemporary cultural landscapes.

* Courses where environmental design forms the basis of inquiry, research, or investigation, may not be applied toward advanced standing in the Ph.D. degree programs in architecture or landscape architecture.
History and Theory students will typically take courses in the history of cultural landscapes, buildings, and cities, as well as more specialized history offerings dependent upon their program goals. Theory-oriented courses include specific architectural or landscape design theory seminars and urban design theory.

Technology and Environment students will take courses in any number of areas including, but not limited to, building science, environmental technology, ecological design, structures, materials, construction methods, business practice and management, and information and digital technology.

Students are encouraged to complete the following prerequisites prior to beginning the program, but in most cases the requirement can be met during the first year or so of graduate study:

1. **Social and Cultural Factors:** A pre-requisite for all students in the Social and Cultural Factors option is one 400-level statistics course. In addition, students are required to take the research methods course ARCH/LA 563 and a course addressing environment-behavior theories (such as ARCH 423, LA 470, or NRES 472). Students should also take a course in qualitative methods (such as ANTH 411, LA 505, UP 587). A list of approved courses is available from the Ph.D. Chair. A foreign language may also be required by the student’s advisor.

2. **History and Theory:** All students in the History and Theory option are required to have a high-level reading proficiency in one foreign language, to be determined by the student’s advisor. Depending on the areas of concentration, proficiency in additional languages may be required by the advisor. All students in the History and Theory option are required to take LA 505 (Methods and Approaches in Landscape and Architectural History). Additional courses in methodology or theory, such as LA 501, LA 506, or ARCH 577, may be required by a student’s advisor as deemed appropriate.

3. **Technology and Environment:** All students in the Technology and Environment option are required to have one graduate-level research methods course such as ARCH/LA 563 or equivalent and one 400-level statistics course. Architectural theory and history survey courses may also be required by the student’s advisor.

**Stage Two**
Students will choose their elective courses, in consultation with their faculty advisors, to develop an individual specialization or minor field within the option. A minimum of 8 hours must be from departments other than the home department. All but 12 hours must be from courses above the 400 level (unless approved by the Ph.D. Chair). The University of Illinois offers a broad range of resources that make the elective options strong and numerous. The program faculty have identified potential elective courses from a variety of departments including Geography; Psychology; Educational Psychology; Sociology; History; Art History; Anthropology; Linguistics; Philosophy; Theatre; Civil, Electrical and Mechanical Engineering; Materials Science; Computer Science; and Urban and Regional Planning. This is just a partial list; courses from additional units may be added as necessary, contingent on the approval of the student’s faculty advisor.

**Outside Fields**
The purpose of the outside field requirement is to ensure the correlation of knowledge and methods of inquiry from one field relating to but outside of the major (the area of concentration). Outside fields should be selected that will broaden knowledge, expand methodological skills,
and provide new insights for the major field of study. The subject must be in a field outside the home department. The proposed outside field must not duplicate or substantially overlap the major field or work performed to fulfill requirements for language or research methods.

As students begin the program, they should discuss their outside field with their faculty advisors and define those subjects most appropriate to the major field of research. Students should begin basic coursework in the intended outside field(s) as soon as possible and identify a faculty member in an appropriate department who is expert in the outside field and may potentially act as committee member for the Ph.D. preliminary exam, dissertation, and final exam (defense).

Consistent with the requirements described above, you, your faculty advisor, and this outside field faculty member may develop the objectives, content, means for fulfilling, and methods for demonstrating competence in the outside field. Students and their advisors should agree upon the most relevant courses to support the outside field study. Ideally, coursework will consist primarily of regularly established courses. Reading courses may also be included as necessary. Note also that some departments have prescribed programs and procedures for frequently selected “minor” subjects, in which case those procedures must normally be followed.

Fulfillment of the outside field requirement implies the development of master's-level competence in that field, that is, a reasonable knowledge of the theory, research methods, literature, and current issues.

Stage Two is completed when all course and language requirements have been met, and a preliminary examination passed.

**Foreign Language Requirement (Required for all students in the History/Theory option)**
You may satisfy the language requirement with any language in which you will do primary research. This choice must be approved by the primary advisor. Some language requirements may be fulfilled by either taking a University proficiency exam or completing approved University language courses that are designed to demonstrate graduate-level competence. Courses must be passed with a letter grade of “B” or better.

**Plan of Study and Year-End Review**
At the end of the first and third semesters of study, student should submit a plan of study to the Ph.D. Chair that charts how requirements will be met and which courses will be taken and according to what sequence. At the end of each academic year, the student must submit a year-end review, which is a written summary of academic progress to be evaluated by the advisor and the Ph.D. Committee. The faculty advisor will review the statement and prepare an independent evaluation of progress, consulting the student in this process. The Committee reviews the plan of study, year-end reviews, and grades earned during that year; the student will be notified if the committee judges that there are any difficulties or concerns. Once the student has advanced to candidacy, the purpose of the year-end review is to obtain a progress report on the dissertation. The Plan of Study and End-Year review forms will be available either through the Ph.D. Chair or the program web site. Failure to submit an end-of-year review may result in probation, suspension, or the Committee's refusal to readmit you after an absence from the program.

**The Preliminary Examination**
The preliminary examination tests the student's competence in the theoretical and methodological subjects of the student’s chosen areas of concentration (major and outside
The purpose of this examination is to appraise the ability to synthesize facts, techniques, and ideas as evidence of preparation for pursuing independent investigation.

The preliminary examination consists of a written exam followed by a comprehensive oral examination before the preliminary examination committee. It is administered by a committee of four faculty members, including the dissertation committee chair, a faculty member from an outside field/department (see Outside Fields above), and two additional faculty members with whom ideally the student has closely worked and from whom the student has taken courses. At least two of the exam committee members must be from the student’s home department. All of the examiners must be members of the University’s Graduate Faculty. In rare cases, an examiner from outside the university may be permitted, subject to the approval of the dissertation committee chair, the Ph.D. Program Chair, and the Graduate College. While in most cases, the members of the preliminary examination committee will be the same as the members of the dissertation committee, a new committee can be convened (as per Grad College Handbook chapter vi, section 04).

The examination in the major field will consist of a five-day take-home exam. The minor field exam may be taken separately, but should take place within a few weeks of the major field exam. The oral portion of the preliminary exam must include a presentation of the dissertation proposal which the committee will have reviewed and accepted in advance of the examination. The content and format of the examination should be agreed upon by the preliminary examination committee at the time of the application for the preliminary examination, and the agreement must be communicated in writing to the student. All parts of the preliminary examination should be completed within a two- to three-week time frame.

The preliminary exam is typically held in the semester immediately following the completion of coursework, which is typically in the third year of study.

Once the student has passed the preliminary exam and is recognized by the Graduate College as having done so, the student becomes a "Ph.D. Candidate." If, however, the committee administering the qualifying examination finds the student’s performance unsatisfactory, they may recommend that another opportunity for examination be allowed or that the student be dropped from the program. Ordinarily, three months must elapse before a second examination is given, and the committee must be the same as for the original examination unless approved by the Ph.D. Chair for extraordinary circumstances. A third exam is not permitted under any circumstances.

**Selecting the Preliminary Examination Committee**

The preliminary exam is administered by a committee of four faculty members appointed by the Dean of the Graduate College on recommendation from the advisor.

Preliminary examination committees must also fulfill the following requirements:

- The committee must have a minimum of four members, the chair and at least one additional member of which should be from the Department of Architecture/Landscape Architecture. The chair of the preliminary examination committee generally also serves as the dissertation committee chair.

- Committee members should be members of the U of I Graduate College (that is, regular faculty with appointments as Professor, Associate Professor, or Assistant Professor). Members of Ph.D. preliminary exam and dissertation committees must be part of the
University’s Graduate faculty and it is expected that they will themselves hold the doctorate OR possess equivalent peer-reviewed research credentials (e.g., published academic books) in subjects appropriate to the exam and dissertation.

- Members of the professional community or external research organizations may be included as an additional (fifth) member of the examination committee but may not substitute for Graduate College faculty. Any additional members (beyond the required four) must be approved by the dissertation advisor and the Graduate College.

- At least one member of the committee must be from outside of the home department. The "outside" member must always be a member of the U of I Graduate College.

When the required coursework for the degree has been completed, the student enrolls in ARCH 599 or LA 599 to prepare for the preliminary examination under the supervision of the advisor or the proposed chair of the examination committee. This course allows the student to be fully registered during the semester of preparation for the exam and/or during the semester that the exam is taken. This course is taken on a satisfactory/unsatisfactory (i.e., pass/fail) basis.

**Application for the Preliminary Examination:**

*Getting Departmental and Graduate Division Approval*

To be eligible for the preliminary examination, the student must:

- Complete at least one year in residence as a doctoral student.
- Be registered during the semester in which the exam is taken.
- Have not less than a B (3.0) average in all work undertaken in graduate standing.
- Have no incomplete (“I”) grades outstanding on the transcript.
- Complete all degree coursework, outside field, and the foreign language and methodology requirements.
- Submit and receive committee approval for the dissertation proposal.

**Setting the Preliminary Examination Date and Questions**

Once the dates for the preliminary exam are established, the preliminary examination committee chair, in consultation with the other members of the committee, will formulate the examination questions. The student will also submit a copy of the dissertation proposal to each member of the committee. Generally, at least a week should elapse between the completion of the written portion and the date of the oral examination in order to give the committee ample time to read the results. See the Graduate College Handbook (www.grad.illinois.edu/gradhandbook) for more information on preliminary exams and committees.

**Human Subjects Protocol**

If the dissertation will involve human subjects in any way (including such interaction as interviews or questionnaires), the research plans must be reviewed and approved by the Campus Committee for the Protection of Human subjects. This approval must be obtained BEFORE THE RESEARCH IS BEGUN.
Federal law and University policy require that all research, on or off campus, involving human subjects in any way conducted by graduate students in pursuit of an advanced degree must be approved or exempted by the Committee for the Protection of Human Subjects (CPHS). Approval must be gained before the research is begun. Research involving human subjects conducted without the approval of CPHS is invalid and the degree will not be awarded.

Only CPHS can determine whether your research is eligible for exemption or will require a full review. Each student must be granted individual approval by CPHS. To ensure compliance with federal law and University policy, please contact the Graduate College. Their staff will be glad to provide you with a copy of its guidelines and advise you on writing a research protocol for the Committee's review.

Stage Three: Dissertation Work
The Doctor of Philosophy degree is the highest academic degree granted by American universities. It is awarded to those who have demonstrated mastery of the field and successfully completed and defended a dissertation. The degree is a clear recognition of the candidate’s ability to complete a substantial piece of research work, to formally present the results of this work, and to appreciate its significance in the general field. The dissertation embodies the results of original and independent research, and should represent a meaningful contribution to the field.

Students are encouraged to select a topic that can be carried out in two or three years and to observe the limitation on normative time set by the Graduate College. According to the Graduate College, all requirements for the degree must be met within seven calendar years of first registration. Students who enter the program directly from the Illinois School of Architecture’s MS in Architectural Studies degree must meet all requirements for the Ph.D. degree in five years from the start of the Ph.D. program.

A minimum of 32 hours of dissertation work must be completed to fulfill the degree requirements. This stage begins with development and presentation of a dissertation proposal. The dissertation proposal presentation serves to ensure that the student has chosen a topic that is reasonable, that hypotheses are adequately formed, that research methods are appropriate, that the resources for completion of the research are available, and that the student is sufficiently prepared to carry out the research. After writing the dissertation, each student must defend his or her dissertation in an oral examination.

Definition: The Nature of a Dissertation
The dissertation research is the culmination of a period of intellectual growth and directed training; the dissertation is the manifestation of the knowledge garnered and the skills and techniques inculcated.

There is a consensus across disciplines that a doctoral dissertation must fulfill the following general requirements:

- A dissertation is a work of original research that makes a significant contribution to the existing knowledge in the field of study.
- A dissertation demonstrates the ability to address a major intellectual problem and arrive at a successful conclusion.
A dissertation demonstrates competence in research methods and tools of the chosen field of specialization.

A dissertation is based on a suitable topic that embraces some significant problem or body of material that will sustain a study of the scope of a book.

A dissertation should be publishable or potentially publishable writing accepted through a process of peer review in the academic world.

Students need not necessarily originate their dissertation topics, but they must develop the approaches to those topics. It is generally agreed that the choice of approach, the adaptation of it to the project, and the application of the approach are the student's responsibility.

Under some circumstances, students are allowed to use work done in collaboration with others as part of the dissertation. While in the humanities and social sciences this is uncommon or not permitted at all, some disciplines (often in the sciences) allow collaborative research, but only for a portion of the dissertation. If some collaboratively developed material is used, the part that is the student's work must be clearly defined. Permission for the inclusion of the work must be sought beforehand from the other collaborators and from the Dean of the Graduate College. A dissertation may not have joint authorship, that is, several students may not collaboratively produce a dissertation.

**Dissertation Committee**

The preparation of the dissertation is supervised by a committee of four faculty members, one of whom must be from a department outside Architecture or Landscape Architecture. The committee will guide the research and pass judgment on the merits of the dissertation.

Normally, the chair and the majority of the committee members will be faculty in the student's home unit. The dissertation committee chair must be a member of the U of I Graduate College faculty and hold a Ph.D. degree. Note that in most cases the faculty advisor and dissertation chair will be the same faculty member. However, in cases where the faculty advisor does not hold a Ph.D. and thus cannot be a dissertation chair, or in cases where faculty members have left the university, the dissertation committee chair may be another faculty member who directs the specific dissertation research.

In formalizing a dissertation committee in consultation with a student’s anticipated committee chair, the student should ensure that all potential committee members have a common and thorough understanding of the nature of the proposed dissertation. This consideration involves a sufficient level of familiarity with the research practices and ideals of potential committee members, which enables the student to anticipate potentially conflicting expectations and contradictory advice. For example, a Ph.D. student in the Social and Cultural Factors in Design may get caught in the middle if one committee member were to expect a quantitative discussion of the results while another expects a qualitative discussion.

**Residence Requirement**

University regulations generally require that a student be registered for each semester until all requirements for the degree, including the dissertation, have been completed. Please note that being “in residence” means registered for courses through the University. This is not the same as being physically on campus. In some cases, it is highly advantageous for students in Stage Three to be located off-campus. However, to continue with the Ph.D. program, students should
be registered, even if they are only registered for the dissertation preparation course (ARCH/LA599).

**Funding**

To the best extent possible, the program aims to provide at least some degree of funding to support doctoral students through their years of coursework. Given the limited resources, however, students are strongly advised to apply for financial support from sources outside their departments. The Graduate College web site is an excellent source of information on graduate student fellowships, both on-campus and off. The [GrantForward](http://www.grantforward.com) database is an important source of such information. Moreover, we urge students to surf the web to find out as much as possible about available external fellowship opportunities. Additional lists of potential funding sources may be available from each departmental graduate office. On a regular basis, the Ph.D. Chair will also circulate fellowship notices from campus and external sources.
FACULTY RESOURCES

Abbas AMINMANSOUR (Ph.D. Penn State)
Associate Professor of Architecture
Steel Structures, Integrated Design and Construction of Buildings

Kathryn ANTHONY (Ph.D. University of California, Berkeley)
Professor of Architecture
Environment and Behavior, Design Education, Gender/Race/Ethnicity and Design, Housing

Mohamed BOUBEKRI (Ph.D. Texas A & M)
Associate Professor of Architecture
Daylighting in Architecture, Human Health and the Built Environment, Energy and Building Performance Simulation

Brian DEAL (Ph.D. UIUC)
Associate Professor of Urban and Regional Planning and Architecture
Ecological Design, Sustainability, Urban Dynamics

Lynne DEARBORN (Ph.D. University of Wisconsin, Milwaukee)
Associate Professor of Architecture, Landscape Architecture, and Urban and Regional Planning
Environment and Behavior, Housing, Healthy Residential Environments, Cultural Change and Immigrant Cultures, Heritage and Vernacular Environments

Elen DEMING (DDes Harvard University)
Professor of Landscape Architecture
Historical and Cultural Landscapes of North America

Rebecca GINSBURG (Ph.D. University of California, Berkeley)
Associate Professor of Landscape Architecture and School of Education
Public History, Sub-Saharan Africa, North America, Carceral landscapes

Ralph HAMMANN (Ph.D./Dr.-Ing. TU Darmstadt, Germany)
Professor of Architecture
Building Envelope Technology, Sustainable Passive and Active Systems

David HAYS (Ph.D. Yale University)
Associate Professor of Landscape Architecture
France (18th-century-present), Cartography, Modernism in Landscape History/Theory

Michael Kyong-il KIM (Ph.D. University of California, Berkeley)
Professor of Architecture
The Science of Design, Building Programming, Design Integration, Building Science and Technology

Sudarshan KRISHNAN (Ph.D. University of Illinois at Urbana-Champaign)
Assistant Professor of Architecture
Lightweight Structures, Cable Domes, Form-finding of Membrane Structures, and Deployable Tensegrities
Vidar **LERUM** (Ph.D./Dr.-Ing. Norwegian University of Science and Technology)
Associate Professor of Architecture
Design, Construction, Monitoring and Analysis of Energy-efficient Buildings

D. Fairchild **RUGGLES** (Ph.D. University of Pennsylvania)
Professor of Landscape Architecture
Islamic Spain and India, Cultural Heritage Landscapes, Visual Theory

John **SENSENEY** (Ph.D. University of California, Santa Barbara)
Associate Professor of Architecture
Greek and Roman Architecture

Amita **SINHA** (Ph.D. University of California, Berkeley)
Professor of Landscape Architecture
South Asian Cultural Landscapes, Heritage Design, Community Design

John **STALLMEYER** (Ph.D. University of California, Berkeley)
Associate Professor of Architecture
Globalization, International Development, Sustainability

Richard **STRAND** (Ph.D. UIUC)
Associate Professor of Architecture
Building Energy Simulation, HVAC/Mechanical Systems

Thérèse **TIERNEY** (Ph.D. University of California, Berkeley)
Associate Professor of Architecture
Media, Design Intelligence, Emergent Technologies