

Ph.D. in Architecture

CITIES. BUILDINGS. MATERIALS: THE ART AND SCIENCE OF **SUSTAINABLE DESIGN**



Ph.D. HANDBOOK



UNIVERSITY OF OREGON

PHD

THE UNIVERSITY OF OREGON
DEPARTMENT OF ARCHITECTURE
PhD PROGRAM HANDBOOK

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INTRODUCTION

THE GUIDE

This PhD Handbook is designed to guide students through the program, to be a resource for faculty, and to inform prospective students about the details of our program. The guide is meant to be a living document that can be modified as needed.

Following this introduction and a description of Roles and Responsibilities (Chapter 2), this Guide is structured around the four main steps in a doctoral program: 1) Admissions; 2) Coursework; 3) Examinations; and 4) Dissertation. The Guide ends with a synopsis of key aspects regarding program management.

Being admitted into the program is an accomplishment in its own right. But that is only the beginning. Coursework sets the foundation for doctoral education. Required courses in theory and research teach students how to conduct quantitative and qualitative research. Coursework also prepares students to take and, ideally pass, the comprehensive examinations. These exams are intended to be an indicator that the student has the foundational knowledge in the chosen field. The dissertation is intended to be an original project that significantly advances knowledge in the chosen field.

OUR VISION

The profession of architecture is at a crossroads as society faces the urgent need to address the environmental impact of buildings. In the United States, buildings consume over 70% of all electricity produced and over 40% of all energy. The construction, use, and demolition of buildings plays a large part in the production, handling, and conservation of materials, waste and water. As the market begins to recognize the need for sustainable buildings and communities, there is a corresponding need for research and education that allows the field to progress as the demand for sustainable buildings and cities increases. Architecture is a complex subject that spans multiple scales. It includes the development of building parts such as the envelope, the structure, the mechanical systems, and interior components. The whole building is the result of a design process that integrates the physical components and systems of the building with decisions that shape building form in response to human needs and contextual conditions. Architecture is also concerned with the interactions of building groups and infrastructures that form urban and suburban districts. It is a field with a high level of interdisciplinary interaction that overlaps many other areas of inquiry including landscape architecture, planning, engineering and building science, business, fine arts, humanities, and social sciences. The University of Oregon's professional degree programs in architecture provide a breadth of understanding that encompasses all of the major influences on the design of the built environment. The Department of

Architecture currently offers professional as well as post-professional master of architecture programs and graduate certificate programs in ecological design and teaching technical subjects in architecture. The PhD program provides a depth of understanding that focuses on sustainable design and examines how we will design the built environment to deal with environmental degradation.

The vision of the PhD program in sustainable design is to develop new knowledge through inquiry into the performance of sustainable buildings and communities. The knowledge generated will lead to a more appropriate ecological design of buildings and communities. The doctoral program prepares graduates to take leadership roles in sustainable design research and education in architecture and related fields and to serve in leadership positions in public and private sector settings. In its exclusive focus on sustainable design, this program is unique in the United States and allows the University of Oregon to lead in the advanced education of individuals who will develop new knowledge pertaining to the sustainability of buildings and the built environment. Our program is designed for individuals with professional experience in architectural practice who have an interest in developing research expertise that will prepare them for careers at universities and other entities engaged in research related to sustainable architectural design, including national research laboratories, industries concerned with building product and systems development, innovative design practices, as well as public agencies and non-government organizations.

A primary educational goal of the doctorate in architecture is to link professional degree training in the field to more rigorous and advanced approaches to scholarship through research. Successful completion of the doctoral program will require the demonstration of excellence in the student's area of concentration through original contributions to the field of architecture. The fundamental indicator of a doctoral student's achievements will be the successful completion of the oral and written comprehensive exams, and the development of a dissertation project that substantially advances knowledge in their chosen field.

Because the profession is large and diverse in its activities, architecture PhD graduates should know and be able to handle a variety of topics and skills depending on the career they wish to pursue, whether in teaching or research in a university, consulting, or research leadership in practice. What they all must have in common is robust development and maturation of academic, analytical, creative, and integrative capabilities that will continue to flourish throughout their careers. Accordingly, we expect that all graduate students will achieve advanced expertise and understanding in a focused topic. We expect that our PhD graduates will have the ability to:

- form integrative conceptual models of architectural issues, problems, and solutions with regard to the area of concentration;
- critically analyze gaps in knowledge in the field and identify needs for new, original knowledge;
- form and answer researchable questions that can be addressed through a range of research methods and techniques;
- independently design and execute a complete, intensive research project;
- comprehensively document a research project with quality writing and illustrations;
- carry forth the institutional mission and philosophy of the University of Oregon.

A career as a faculty member in design education is a goal for many doctoral students. Given the substantial course requirements of professional design programs, and the integrative nature of architectural design as both a science and an art, the development of innovative models and methods for design education has become a key area of design scholarship and research. Accordingly, our doctoral program also emphasizes opportunities for students to develop their skills as innovative educators through working with faculty as graduate teaching assistants, and by cultivating students to teach their own courses with faculty supervision.

An understanding of the close and supportive relationships among research and scholarship, professional growth, artistic achievement, and teaching is one of the key qualities we will attempt to imbue in graduates of our doctoral program. There are many paths to excellence in design education, research and practice, and scholars rarely follow a pre-set route. Our program includes clear core requirements, high standards of excellence, and substantial flexibility to tailor a student's program of study to their individual needs.

REVISIONS TO THE HANDBOOK

Substantive or policy revisions will be reviewed and approved by the PhD Committee during the year; and if appropriate, incorporated into an updated Handbook that will be available to current and incoming students at the start of the Fall term. Edits to this Handbook can be submitted to the PhD Director prior to June 1st.

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ROLES AND RESPONSIBILITIES

The PhD is the highest degree awarded to students in the United States. It is an indicator of one's educational achievements, research expertise, and, simply put, one's ability to accomplish an impressive feat despite the inevitable hurdles. But the degree is not earned in isolation. A cast of teachers, colleagues, and administrators who can help facilitate the process supports every PhD student. Given this, it is important to understand the roles and responsibilities of the following key players in the PhD program.

THE STUDENT

According to the aims and intentions stated in their applications of admission to the PhD program, students will carry out a program of advanced study and individualized research. There are three steps to successfully completing a PhD in Architecture at the University of Oregon: 1) fulfilling the preliminary course requirements; 2) taking and successfully passing a comprehensive examination, which qualifies the student as a "PhD candidate;" and 3) completing the dissertation, which is based on independent research and original investigation. It is expected that PhD students will participate in the life of the department through Graduate Employee assignments (GE), which are paid positions involving teaching or research assignments. GE assignments are made by the department based on teaching and research needs and the qualification of GE applicants. PhD students may receive GE position appointments in accordance with the department's Graduate Duties and Responsibilities Statement (GDRS) available at the UO Graduate School website.

During the tenth week of fall, winter, and spring academic terms, architecture and landscape architecture classes do not meet so that studio classes, graduate projects, theses, and dissertations can be scheduled for final reviews. This is an important tradition in the College of Design because it gives all students and faculty the opportunity to view and discuss creative and scholarly work completed during the term. PhD students holding GE positions will be assigned to participate in studio reviews.

The time spent with a faculty advisor is arranged by mutual agreement between the student and the advisor. The student is expected to take the initiative in arranging such meetings as he or she requires them. However, the faculty advisor also may request meetings with the student. The student-faculty advisor relationship is viewed as confidential so that both parties can feel free to be honest and candid in their discussions. Every student must keep their faculty advisor informed about matters concerning the student's academic progress. If personal matters such as finances, health problems, etc. are interfering

with academic work, students may want to inform their advisor. Advisors may act as advocates for advisees should it become necessary.

Each academic year the student, in consultation with their faculty advisor, submits an annual progress report, which will be used by the department to assess and guide student progress. The report will be used as part of a broader process to determine whether the student is making sufficient progress toward their degree. At the end of the process, a copy of the student's progress report and the PhD committee's progress evaluation will be placed in the student's academic file. Once the student has been advanced to candidacy, the report content is expanded and the student's progress is assessed within the framework of an annual progress meeting with their dissertation committee.

THE FACULTY ADVISOR

The PhD program director will assign a faculty advisor to assist the student as appropriate with matters pertaining to coursework, degree requirements, selection of the dissertation chair, and completion of annual progress reports on student progress. The faculty advisor will be a member of the Architecture PhD committee. The faculty advisor can serve as either the chair of the examination committee or as dissertation chair but not both. If at any point a student feels another faculty member from the department's PhD faculty would better serve as their faculty advisor, they may make that switch, contingent upon the agreement of that faculty member and the approval of the department head. The role of the faculty advisor continues until the formal designation of the dissertation chair once the student has advanced to candidacy. At that point, the dissertation chair replaces the faculty advisor. The faculty member best suited to assume the role of dissertation chair depends on the student's proposed dissertation subject area in relation to a faculty member's expertise, time availability, and the potential for a successful student-teacher relationship that will advance the academic and professional goals of the student. While in many cases the faculty advisor may continue as the student's dissertation chair, in others it may turn out that the most appropriate person for that role shifts as the student refines their dissertation ideas and gets experience working with individual faculty. If a student has concerns about the working relationship with a faculty advisor, s/he should bring this up with the PhD program director, the department head, or another department faculty member.

THE PH.D. PROGRAM DIRECTOR

The Director of the PhD Program oversees the PhD program in the Department of Architecture, chairs the PhD Committee and works closely with the Department Head. The PhD Program Director is typically compensated with one course release per year (or equivalent arrangement). The PhD program director:

- provides additional counsel on matters pertaining to coursework, degree requirements, and the selection of the dissertation chair
- coordinates and approves comprehensive examination and dissertation committees; and facilitates documentation between the department and Graduate School
- recommends students' advancement to candidacy for higher degrees; considers their petitions to add or change areas of concentration
- signs petitions for withdrawal or readmission; and speaks for the department on matters concerning the progress and standing of individual PhD students.

Principal responsibilities include:

- Chairing the PhD Committee and working with the committee to:
 - coordinate curriculum and policy issues
 - coordinate admissions reviews, selections, and interviews and supervision
 - monitor the progress of each PhD student
- Maintaining liaison relationships with the:

- Graduate School and Graduate Council
- Graduate Studies committee
- Landscape PhD committee
- Working with department staff to:
 - respond to content inquiries from prospective students
 - organize and run the orientation sessions for new PhD students, typically with the MS students (Friday of zero week)
 - recommend recruitment scholarships for PhD students
 - initiate and supervise updates and production of the PhD Handbook (summer)
 - update admissions application information (summer, July 1)

THE DEPARTMENT PH.D. COMMITTEE

The PhD committee is composed of selected faculty who are eligible to chair PhD committees. This committee directs the Architecture PhD program and coordinates graduate curriculum development with the department graduate studies committee. The PhD committee is responsible for the following actions:

- admissions (review, select, and invite finalists)
- maintain program procedures
- review and approve comprehensive examination committee
- review and approve dissertation chair and committee
- define the scope of the PhD program
- maintain the program's overall standards, policies, and procedures;
- conduct annual-year-end reviews of all PhD students' academic progress and standing, and end-of-the term GE evaluations;
- examine petitions for withdrawal and readmission; and
- make recommendations for fellowships, scholarships, and GE awards.

As we all manage our busy schedules, we must remember that program decisions will need to be made on a regular basis. Some decisions are not profound and can be made easily while other decisions may impact the structure and content of the program. Some decisions will be able to wait for a meeting and others will require immediate action. There are roughly four types of decisions that may need to be made that require an approved process: 1) committee decision; 2) committee decision with input from the Chair; 3) Chair decision with input from the committee; and 4) faculty decision with input from the committee/Chair. To manage the decision-making process, the PhD Committee meets regularly and operate first on a consensus decision-making model and, if needed, on a democratic decision-making model where a majority present at the meeting carry the vote and those who did not vote in support of the decision commit to supporting the will of the majority.

Members of the PhD committee are:

James Buckley, PhD, Associate Professor and Venerable Chair in Historic Preservation

Professor Buckley oversees the Historic Preservation program and teaches courses in architectural history, city planning, and urban development. Buckley is a practicing city planner and an urban historian with more than 25 years of leadership in the fields of housing and community development and historic preservation. As a builder with non-profit organizations, he has completed more than 4,000 housing units in several award-winning developments. These projects have included adaptive reuse of historic buildings, mixed-use low-income housing with community-serving commercial space, and supportive housing for homeless households. Prof. Buckley's academic interests include the study of vernacular architecture and cultural landscapes. His previous research includes an investigation of urban development related to the redwood lumber industry in 19th-century California

and a study of the built environment of Latinos in California's Central Valley. In 2015, he served as a Fulbright Senior Fellow at the Universidad Politécnica Madrid studying new approaches for "urban regeneration" in historic neighborhoods in Spanish cities. Current research projects include the design of public buildings and spaces in the mid-20th century and the use of historic preservation approaches to assist minority and low-income communities. Buckley holds a BA from Yale University in Art History and American Studies and has both a Master's Degree in City and Regional Planning and a PhD in Architecture from U.C. Berkeley. He previously served as a member of the San Francisco Historic Preservation Commission and has been a board member of the Society for American City and Regional Planning History and of the Vernacular Architecture Forum, where he was 1st Vice President.

G.Z. (Charlie) Brown, FAIA, Professor of Architecture

Professor Brown is the director of the Energy Studies in Buildings Laboratory. He challenges students to seek design solutions that integrate energy awareness and aesthetics in design studios, seminars, and in his courses on site and building climatology, daylighting, and energy simulation. Brown is the author of a pioneering book on the practice of sustainable design, *Sun, Wind and Light: Architectural Design Strategies*, and co-author of *Natural Ventilation in Northwest Buildings* and *Inside Out: Design Procedures for Passive Environmental Technologies*. His research topics have included visualization of building information, manually-activated pneumatic shade controls, natural ventilation, daylighting, heat exchangers, modular construction, classroom design, building massing, passive design, insulation, energy auditing, and straw bale construction. Brown is a Fellow of the American Institute of Architects and the American Solar Energy Society, and he has received awards for leadership in research from the U.S. Green Building Council and the Architectural Research Centers Consortium.

Howard Davis, Professor of Architecture

Professor Davis's work on sustainable cities deals with relationships between urban form, buildings and the emergence of new, post-industrial forms of the urban economy. The first stage of this research is described in *Living Over the Store*, a cross-cultural account of buildings that combine commercial and residential uses. With new work in Portland, China, London and Tokyo, Davis examines resilient urban morphologies, asking "How can buildings and urban form accommodate needs of migrant and low-income groups, and of people engaged in contemporary, regenerative businesses, in sustainable ways?" Professor Davis's book *The Culture of Building* explains how cities are produced by a coordinated system that includes builders, clients, materials suppliers, bankers, developers and many others--as well as architects. Davis worked with Christopher Alexander in Berkeley and is co-author of *The Production of Houses*. He has worked on settlement planning and housing in Mexico and India, emphasizing participatory design and construction.

Ihab Elzeyadi, PhD, FEIA, LEED,^{AP} Professor of Architecture

Professor Elzeyadi is the director of High Performance Environments Lab and Façade Integrated Technologies testing facility at the University of Oregon. He also serves as the Director of Graduate Studies for the Department of Architecture. Professor Elzeyadi has been engaged in the design, construction, and research of high-performance buildings for more than 20 years. Dr. Elzeyadi has conducted grant-supported research on the relationship between people and buildings including daylighting systems effects on health, productivity, and other outcomes as they relate to sustainable design strategies. His studies produced evidence-based design guidelines and design-assistance services on various commercial projects with an emphasis on energy and resource effective design. He is currently working on a number of research projects investigating cost and financial benefits of green and LEED schools, the Green Classroom Retrofit Toolbox Project for energy retrofits of existing schools, as well as RD&D projects on facade integrated green products and technologies for active envelopes, including innovative prototypes of solar awning and daylighting harvesting systems.

Mark Gillem, PhD, FAIA, FAICP, Professor of Architecture and Landscape Architecture

Professor Gillem is the Director of the PhD Program and the University of Oregon's Urban Design Lab. He is also the President of the International Association for the Study of Traditional Environments. His teaching and research focus is on sustainable urbanism, which is an ecological approach to building that integrates architectural and landscape design with socio-cultural and environmental needs. He conducts post-occupancy evaluations of buildings and urban spaces using qualitative and quantitative methods. He is the author of *America Town: Building the Outposts of Empire*. The book, which examines the socio-spatial practices of the United States military. The book received the 2008 Book Award from the Environmental Design Research Association. He is a licensed architect, a certified planner, and a Fellow of the American Institute of Architects and a Fellow of the American Institute of Certified Planners. He is also the Principal of The Urban Collaborative, an award-winning urban design firm that prepares plans and urban design policies for clients worldwide.

Solmaz Kive, PhD, Assistant Professor of Interior Architecture

Professor Kive's research interests are in the history and theory of architecture. She teaches course in architecture and interior architecture. Professor Kive holds a PhD in the History of Architecture, Landscape and Urban Design from the university of Colorado, Denver. She also holds an M.Arch in Architectural History and Theory from McGill University and an M.Arch from Shahid Beheshti University in Tehran.

Alison Kwok, PhD, AIA, LEED,^{AP} Professor of Architecture

Alison Kwok's research work focuses on topics including adaption and mitigation for climate change, thermal comfort and natural ventilation in tropical schools, post-occupancy evaluation of building performance, zero net energy strategies, building energy metrics, and collaborative practices. Kwok was PI for the Agents of Change Project, Case Studies of Carbon Neutrality project, and through other grant-supported research, seeks a better and closer union between the fields of architecture and engineering. Kwok is co-author of *Mechanical and Electric Equipment for Buildings* and *The Green Studio Handbook*, both substantial resources for practitioners and students that provide in-depth information, strategies, and case studies to guide green design. She advises the student chapter of ASHRAE, is past-president of the Society of Building Science Educators, Fellow of the American Solar Energy Society, serves on numerous national boards and organizations. Kwok has conducted charrettes, workshops, and presentations in China, England, Japan, Hawaii, and Korea.

Hajo Neis, PhD, Associate Professor of Architecture

Professor Neis is the director of the Portland Urban Architecture Research Laboratory and he teaches and researches urban architecture and urban theory with emphasis on urban structure formation and integration, the art of building, and urban sustainability. His main interest in research focuses on the two critical issues of 1. quality and value in architecture and urban structure and, 2. process and processes, which create and generate quality in buildings and the urban fabric. He is a practicing and licensed architect and planner for over 25 years with projects in Europe, the US, and Japan. He is also a member of the renowned Center for Environmental Structure, CES, where he was in charge of the internationally recognized Eishin Campus in Japan. Dr. Neis is a co-author of several books: 'A New Theory of Urban Design,' Oxford, NY 1987; 'Schule des Sehens,' Fachhochschulverlag, Frankfurt 2000; and 'Battle for the Life and Beauty of the Earth,' Oxford, NY.

Siobhan Rockcastle, PhD, Assistant Professor of Architecture

Professor Rockcastle research interests include sustainable architecture, high performance buildings, occupant well-being, space perception, and environmental dynamics. Her research, design, and teaching activities are centered around the belief that building science is about more than energy-

efficient and carbon-neutral architecture. These factors are undeniably important, but they only address a part of the contemporary challenge facing present-day building construction and occupation. Over the past decade, human beings living between 41 and 45 degrees N. spent an average of 25% less time outdoors than they did only 10 years before. In pre-industrial times, we spent a significant amount of time outdoors, where productive activities required daylight for visual acuity. With the advent of energy efficient and inexpensive electrical and mechanical systems, we have enabled our species to occupy indoor environments for increasingly longer periods, resulting in just under 2 hours of time spent outdoors on average each day. It's safe to say that we are rapidly transforming our habitation patterns, impacting the amount of exposure our biology has to dynamic natural systems: sky light, fresh air, and variable climatic factors. With this shift, comes a host of potentially negative impacts on our emotional, physiological, and perceived well-being. Her work seeks to build bridges beyond architecture, to improve the health and well-being of contemporary buildings and urban environments. She has a PhD from the LIPID Lab, École polytechnique fédérale de Lausanne, an SMarChS from the Building Technology Lab, Massachusetts Institute of Technology, and a BArch from Cornell University. She also serves as the Frederik Charles Baker Chair in Design, Director of the Baker Lighting Lab at the University of Oregon.

Kevin Van Den Wymelenberg, PhD, Professor of Architecture

Professor Van Den Wymelenberg is the Director of the University of Oregon's Energy Studies in Buildings Laboratories (ESBL). The lab provides research and analysis of natural ventilation, daylighting, site and microclimate performance, as well as energy programming and other energy design assistance for architects, engineers, and building owners through laboratories in Eugene and Portland. It has worked with the leading architectural firms in the region to provide design assistance on some of the most innovative buildings in the world. Professor Van Den Wymelenberg has a PhD in the Built Environment from the University of Washington. He teaches classes in daylighting, integrated design principles, energy performance in buildings, and design. He has consulted on several hundred new construction and major renovation projects with architects and engineers regarding daylight and energy in buildings since 2000. Five of these projects have been recognized with AIA's Committee on the Environment (COTE) Top 10 Awards and many others are LEED certified. He has presented at conferences including the Illuminating Engineering Society, LightFair International, GreenBuild, and Passive Low Energy Architecture. He has authored several papers and two books related to daylighting, visual comfort, and low-energy design strategies. He has a PhD from the University of Washington, a Master of Architecture from the University of Washington, and a Bachelor of Science in Architectural Studies from the University of Wisconsin-Milwaukee.

THE UNIVERSITY OF OREGON GRADUATE SCHOOL

The Graduate School sets university-wide policies for graduate programs. The Graduate School oversees compliance with institutional graduate degree policies and the Graduate Teaching Fellows Federation collective bargaining agreement. Additionally, the Graduate School provides a variety of resources for professional development and funding for graduate study and research.

OTHER STUDENTS

Student colleagues in the department, the College of Design, and the university can, and should, be part of a collegial support network. Students are expected to take an interest in the research of their peers; and make constructive contributions to the dialog concerning research and teaching activities.

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ADMISSIONS

ABOUT THE DEPARTMENT

The Department of Architecture is part of the College of Design, which also includes programs in Landscape Architecture; Planning, Public Policy and Management; Art; Art History; Historic Preservation; Interior Architecture; Arts and Administration; and Product Design. In addition to facilities on the UO campus in Eugene, AAA has an educational facility through which it offers programs and research opportunities in Portland, Oregon.

The University of Oregon has offered professional education in architecture since 1914. In its association with the College of Design, the Department of Architecture offers a broad education in environmental design, with opportunities to study historic preservation, landscape architecture, planning, fine and applied arts, and arts administration. More than 35 alumni of the University of Oregon teach environmental technology with emphasis in sustainable practice, in architecture programs nationally and internationally, and it is our intention for the PhD program to help continue this leadership role.

ADMISSION REQUIREMENTS

We seek PhD candidates who are keenly interested and prepared to investigate a number of topics that may include investigations of the energy efficiency of buildings, such as passive and low energy design strategies that reduce the need for fossil fuels or methods for forecasting energy use and efficiency in buildings and cities. Topics related to building design and construction may address sustainable building material and system applications, strategies for achieving net-zero energy buildings or the sustainable re-use of existing buildings. At the sustainable cities and communities scale students can investigate environmental impacts of urban districts or design methods for producing high-performing eco-districts and zero-energy urban development.

PhD candidates are required to present a specific, well-conceived research proposal and career goals. Students are selected on the excellence of their proposal and available advisorship by a faculty member. The student's intent must be matched and supported by departmental resources. The selection of students is central to the educational mission of the Department of Architecture and the continued quality of its graduate programs. With respect to both students and faculty, we seek a community of inquiring designers who are committed to solving multi-faceted problems and furthering knowledge by researching issues and processes that give form to the environment.

Academic and Research Capability

It is expected that all applicants have excelled in their previous academic work and creative accomplishment, specifically in the following areas: (1) promise of productive scholarship; (2) strength of academic record; (3) breadth of general knowledge. The research ideas and topic of interest will be evaluated from the Statement of Intent and portfolio submissions for critical issues, writing skills, organization, research methodology, and critical thinking,

Professional Experience

Applicants must demonstrate substantial skill for the creative process, visual language tools, the design of buildings and proximate environments, and the potential to conduct research. Evidence for accomplishments will be evaluated from the design portfolio and the letters of recommendations.

Potential Program Contribution

The department seeks individuals whose interests and capabilities will provide a significant contribution to the research knowledge base and to the education of others. These contributions may be evidenced by previous experience, involvements and commitments and accomplishments. Value is placed on a student body that is culturally and geographically diverse. The University of Oregon is an equal opportunity/affirmative action institution.

Admission to the PhD program requires that the prospective student will have previously completed a professional master of architecture degree program. Prospective students without this professional degree must first complete one prior to admission to the PhD program. Individuals holding a professional bachelor of architecture degree may be eligible for the PhD program after completion of the post-professional master of architecture degree or another graduate degree. The intent is that PhD applicants will have completed a master's degree in architecture and also hold a NAAB-accredited degree that meets the professional requirement. A current architectural license and design practice may be applied in lieu of a professional degree in architecture; however, a Master's degree is still required. The admissions process will be overseen by the PhD program director in collaboration with the director of graduate studies. Faculty on the PhD committee will review applications to determine appropriate fit of the applicants' interests in sustainable design to available faculty expertise. We anticipate each faculty member serving as dissertation chair to no more than three doctoral students at any given time.

APPLICATION PROCESS

Please refer to the online application material.

4

COURSEWORK

The first primary task of the newly admitted student is to complete the required coursework. At the University of Oregon, the doctoral program in architecture offers opportunities for advanced study and scholarship. Students must complete a series of common core requirements that develop a knowledge base and skills for conducting original research within an area of concentration. Requirements for the area of concentration courses are designed to provide both depth and breadth of knowledge in an area of study relevant to sustainable design, and to draw on the frameworks and methodologies of related disciplines that support the student's dissertation research.

The curriculum is designed to provide a foundation in the discipline of sustainable design research, as well as flexibility for students to pursue advanced studies in a focus area of their choosing related to sustainable design. The curriculum also requires an outside focus with courses selected from departments outside of architecture that complement the student's intended focus area. The curriculum also requires exposure to supervised teaching in regular courses and in a colloquium. The curriculum leads students through a series of steps that integrate common foundations in literature and scholarship with development of specialized interests, experience in research proposal writing, one-on-one experience working with faculty on current research, integration of subject matter into teaching design, and subsequently into advanced scholarship that supports their dissertation. A student's course of study is developed with the faculty advisor and at times, the PhD program director. An underlying intention of the program is to prepare students to understand and apply appropriate methods of inquiry, and to deepen their understanding of the nature and role of rigorous scholarly inquiry in sustainable design. Through a series of required core courses in architecture theory, research, and investigation, doctoral students learn how to conduct both qualitative and quantitative studies of the built environment and the processes that shape buildings and places. After completing these common core classes, advanced studies in methodology are required, but students tailor their methodological preparation to suit their career intentions. Broadly considered, advanced methodological preparation occurs in two categories: 1) Quantitative research and prescription: e.g., hypothesis testing, spatial and material analysis, and environment-behavior observation; and 2) Qualitative research and prescription: e.g., case studies, design criticism, content analysis, evaluation of physical places, and their historical interpretation

Over the course of at least three years, the minimum course requirement is 66 credit hours with an additional 18 credits for dissertation work (84 graduate-level credits total minimum). Study for the doctoral degree is divided between core courses in research and investigation (24 credits), primary

(inside) focus courses (22), secondary (outside) focus courses (16), supervised teaching (4) and work on the dissertation, beyond the 66 credits (18), for a total of at least 84 credits. Note that the eight (8) credits for the Comprehensive Exam (ARCH 605) are not included in the 85 credits. At the department's discretion, some credit requirements may be waived or satisfied through transfer credits. No more than 15 credits may be transferred. Requests for waiver or transfer will be evaluated on a case-by-case basis. Decisions will be based on consideration of a student's background and qualifications in relation to their proposed program of study and the requirements for a PhD. The length of time to complete the program, steps to completion, and course of study requirements are detailed below, as is a typical sequence of coursework (table below). Students may take additional credits as desired, or as needed to meet full-time status. The minimum residency requirement is two years. The exact sequence of courses taken will depend on the program of study by each student, course availability, and teaching commitments. This sequence serves as a guide for how a student might progress toward candidacy over a two-year period. Graduate students holding GE appointments must be enrolled at a minimum of 9 credits during the term of appointment.

Year 1 - Fall	Year 1 - Winter	Year 1 - Spring
ARCH 620 (4) - Cat. 1 Research Methods	ARCH 617 (4) - Cat. 2 Design Theory	ARCH 678 (4) - Cat. 1 Advanced Research Methods
ARCH 633 (4) - Cat. 2 History and Theory of Sustainable Design	ARCH 601 (4) - Cat. 1 Independent Research	ARCH 695 (4) - Cat. 1 Proposal Development
ARCH 661 (2) Supervised Teaching	Elective (3) - Cat. 2 Inside Focus Area	Elective (3) - Cat. 2 Inside Focus Area
	Elective (4) - Cat. 3 Outside Focus Area	Elective (4) - Cat. 3 Outside Focus Area
Year 2 - Fall	Year 2 - Winter	Year 2 - Spring
ARCH 601 (4) - Cat. 1 Independent Research	Elective (4) - Cat. 2 Inside Focus Area	ARCH 605 (8) Comprehensive Exams (nic in 84 credits)
Elective (3) - Cat. 2 Inside Focus Area	Elective (4) - Cat. 3 Outside Focus Area	ARCH 608 (1) - Cat. 2 Colloquium
Elective (4) - Cat. 3 Outside Focus Area	ARCH 602 (2) Supervised Teaching	
Statistical Methods (4) - Cat. 1		
ABSTRACT DUE	PROSPECTUS DUE	ADVANCE TO CANDIDACY
Year 3 - Fall	Year 3 - Winter	Year 3 - Spring
ARCH 603 Dissertation	ARCH 603 Dissertation	ARCH 603 Dissertation
Year 4 -- Fall	Year 4 - Winter	Year 4 - Spring
ARCH 603 Dissertation	ARCH 603 Dissertation	ARCH 603 Dissertation
Year 5 -- Fall	Year 5 - Winter	Year 5 - Spring
ARCH 603 Dissertation	ARCH 603 Dissertation	ARCH 603 Dissertation
Year 6 -- Fall	Year 6 - Winter	Year 6 - Spring
ARCH 603 Dissertation	ARCH 603 Dissertation	ARCH 603 Dissertation

The doctoral program has four categories of coursework that all students must complete: 1) Research and Investigation courses provide all students with a broad foundation in sustainable design research and

investigation; 2) a primary focus area comprised of course offerings within the Department of Architecture; 3) a secondary focus area where courses are taken in a second discipline outside of the Department of Architecture; and 4) supervised teaching involving a variety of independent study development of teaching materials and preparation activities.

COURSES

CATEGORY 1

Research and Investigation (minimum 24 credits)

To prepare students for performing rigorous and original research, a series of core courses provide a foundation in the culture and conduct of research. Below are schematic descriptions of the courses in the PhD program. The primary difference between master's and doctoral methods courses is that the courses are open to advanced master's students for fewer credits. Master's students would receive an introduction to a broad application of qualitative research and quantitative methods with assignments geared toward an "understanding" level. For PhD students, courses include analysis and evaluation for collecting data (phenomenology, case study research, critical reasoning), critical considerations on measurement, evaluation, and feedback loops, with assignments geared toward an "ability" level.

Arch 601 Research (4-8 credits)

This course involves working on an active research project conceived and directed by a faculty member. The mentorship through participation in a faculty member's current research is intended to help students gain experience in the identification of researchable questions, conceptually constructing research postulates and designs, and executing productive research. The time commitment by faculty to the student is balanced by the contributions to the student can make to ongoing research.

Arch 620 Sustainable Design: Research Methods I (4)

The first course in research methods focuses on research issues and an overview of methods common to environmental design. Assignments relate to the framing of researchable questions.

Arch 678 Advanced Research Methods in Sustainable Design (4)

This course focuses on qualitative and quantitative methods applicable to the design of sustainable buildings and communities. This course emphasizes more specific qualitative and quantitative methodologies, while students continue to explore a topic and frame a researchable problem through literature reviews and proposal development. The supervising faculty member will spend one to two extra hours per week with the doctoral students. The course also incorporates further assignments that deepen the doctoral student's knowledge of targeted research topics through comprehensive reviews of, a) the literature, and b) research methods, respectively, related to their topic or question of interest.

Arch 695 Proposal Development (4)

This course focuses on the preparation and presentation of a research program and dissertation proposal. Building on initial courses in research methods and content, this course has as its object the writing and revision of a dissertation proposal that meets departmental formats and requirements.

PPPM 656 Quantitative Methods for Planning, Public Policy and Management (4) or Equivalent

All students will be required to take a course in quantitative methods. Equivalent

courses may include the following with department/instructor approval. **PSY 302** Statistical Meth Psych; **EDUC 614** Educational Statistics; **EDUC 642** Multiple Regression in Educational Research; **ENVS 355** Environmental Data Analysis and Modeling; **GEOL 418/518** Earth and Environmental Data Analysis; **MATH 425/525, 426/526** Statistical Methods I, II; **PS 445/545** Methods for Politics and Policy Analysis I; **PSY 412/512** Applied Data Analysis; **SOC 312** Quantitative Methods in Sociology.

CATEGORY 2

Primary (Inside) Focus Area (min. 22 credits)

Students will select courses within the College of Design aligned with their research interests. Students may focus on sustainable building design, preservation and sustainability, sustainable communities, or other related areas. All students will take the following two courses or approved substitutes if these courses are not offered:

Arch 617 Design and Planning Theory (4)

This course presents key design and planning theories. This is a foundational scholarship course that will also be open to advanced master's students.

Arch 633 History and Theory of Sustainable Design (4)

This course presents historical and theoretical issues that have shaped sustainable design specifically as it relates to the built environment. This foundational scholarship course is typically open to other graduate students and may be taught in parallel with similar courses for other graduate students.

In addition, the Department offers a number of courses related to sustainable design that can fulfill this requirement. Electives in the Inside Focus Area are intended to provide both breadth and depth of knowledge. Students will develop a specific program of study in consultation with their faculty advisors. Below is a list of advanced courses currently offered that may satisfy this requirement. Our faculty members currently distinguish between undergraduate and graduate courses in many of these courses so they are accustomed to making modifications based on appropriate levels of learning. Modifications of these courses for PhD students will include one or more of the following: additional readings; end-of-term paper requirements; research presentations; and/or additional time with the instructor.

ARCH 535 Principles of Urban Design
ARCH 537 Theory of Urban Design
ARCH 534 Vernacular Building
ARCH 593 Solar Heating
ARCH 594 Passive Cooling
ARCH 595 Daylighting
ARCH 596 The Window
ARCH 597 Case Studies in Sustainable Design
ARCH 598 Energy Scheming
ARCH 510 Housing Design
ARCH 510 High Performance Buildings
ARCH 510 Post Occupancy Evaluation
ARCH 605 Reading and Conferences
ARCH 606 Special Problems
ARCH 608 Colloquium

AAAP 574 Preservation and Sustainability
 AAAP 510 Adaptive Re-use Seminar (Portland)
 AAAP 510 Preservation and Transportation
 AAAP 510 Preservation Economics (Portland)
 AAAP 510 Preservation Technology: Masonry
 AAAP 510 Preservation Technology: Woods and Metals
 AAAP 510 HABS/HAER Documentation
 AAAP 510 American Architecture from a Preservation Perspective I, II, III

CATEGORY 3

Secondary (Outside) Focus Area (16 graduate credits)

These courses will be selected in consultation with the faculty advisor to provide sufficient depth in the student’s area of research. The courses are taken outside of architecture and are intended to develop knowledge of a second discipline that supports the student’s research. Coursework in the outside focus area can be from multiple departments provided they are integrated into a coherent program. Examples of Outside Focus Areas include:

Anthropology	Historic Preservation
Architectural History	Landscape Architecture
Biology	Planning
Business	Planning Theory
Ecology	Urban Design
Economics	Urban Geography
Environmental Studies	Urban Sociology

CATEGORY 4

Supervised Teaching (min. 4 credits)

Courses within the College of Design

ARCH 602 Supervised College Teaching
 ARCH 661 Teaching Technical Subjects in Architecture
 ARCH 690 Teaching Technology in Architectural Design

The required 84 credits are distributed as follows:

Category 1: Research and Investigation	Min. 24 credits
Research (ARCH 601)	4–8
Research Methods in Sustainable Design (ARCH 620)	4
Quantitative Methods (PPPM 656) or equivalent	4
Advanced Research in Sustainable Design (ARCH 678)	4
Advanced Dissertation Proposal Development (ARCH 695)	4
 Category 2: Primary (Inside) Focus Area	 Min. 22 credits
Built Environment Design and Theory (ARCH 617)	4
History of Sustainable Design (ARCH 633)	4

Colloquium (ARCH 608) 1
Advanced electives (500-level and above) 17 or more

Category 3: Secondary (Outside) Focus Area **Min. graduate 16 credits**

Category 4: Supervised College Teaching **Min. graduate 4 credits**

Supervised College Teaching (ARCH 602) or
Teaching Technical Subjects in Architecture (ARCH 661) or
Teaching Technology in Architectural Design (ARCH 690)

Dissertation **Min. 18 credits**

Dissertation (ARCH 603) 18

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THE DISSERTATION PROSPECTUS AND COMPREHENSIVE EXAMINATIONS

Following completion of the required coursework and before embarking on the dissertation, the student must take and pass the comprehensive examinations and receive approval on a Dissertation Prospectus. The comprehensive examinations consist of two elements: 1) written examination and 2) oral examination. The department views the comprehensive examinations as an opportunity for the student to demonstrate (1) that they can craft analytical questions and formulate concise, focused answers using well-conceived arguments and critical thinking, (2) that they have competency in general knowledge of the field, breadth across the discipline, and core knowledge in their chosen area of concentration, (3) that they are aware of major theoretical and methodological issues in their major research and teaching areas, and (4) that they have a sense of where those theories and methods stand in relation to major themes in contemporary scholarship.

The goal of the comprehensive examination process is achieved not so much when someone passes their examinations, but when someone "knows the field." Successful preparation for the comprehensive exams should enable the student to identify potential questions for a dissertation, have an understanding of available theories and cases for answering those question, and have a sense of compelling and convincing arguments in the field. Answers to comprehensive examination questions should not be simple literature reviews. Instead, students should develop a point-of-view or perspective in their answers that is articulated in the context of the relevant literature.

Students must have completed their required Program of Study coursework by the time they finish the comprehensive examinations and should work with their faculty advisor to ensure this will occur. For many students, the comprehensive examinations will be taken in Spring term of the student's second year in the doctoral program. The specific schedule and procedures described below are based on this time-frame. Students wishing to take their exams at another time must develop an equivalent timeline in consultation with their faculty advisor and submit it to the Architecture PhD committee for approval.

THE EXAMINATION COMMITTEE

At the time the program of study is approved, the student, in consultation with the PhD program director, nominates an examination committee, which must be approved by the PhD committee. The examination committee will administer both the written and oral examinations. After completion of coursework, each

student will prepare and submit a written comprehensive examination. The written comprehensive examination will consist of questions in the area of concentration that are developed by the examination committee.

For students intending to complete the comprehensive examinations in their second year, the process leading to the examinations, and subsequently to the adoption of a dissertation proposal and committee, formally begins during Fall term of the second year. At that time, the student, in consultation with their faculty advisor, nominates an examination committee, which must be approved by the PhD committee. To the extent feasible, students should include on the examination committee faculty whom they wish to serve on their Dissertation committee. The list of nominated faculty must be submitted in writing to the PhD committee, via the PhD director by Monday of week 10 of Fall term.

The committee must have a **minimum of four members**, including the chair. The majority of the committee is comprised of faculty members from the Department of Architecture; one member must be a part of the department's PhD committee and one member must be an "outside member" or tenure-related faculty member at the University of Oregon outside the Department of Architecture. The chair of the comprehensive exam committee cannot be the dissertation chair. Committee members should be regular faculty with appointments as professor, associate professor, or assistant professor at the University of Oregon. With permission of the PhD committee, a person who is not a regular faculty member may be appointed as a member of an examination committee, but there may be only one such person on a committee, and he/she may not serve as the "outside" member as noted above. Once the student has passed the comprehensive examination and is recognized by the Graduate School as having done so, the student will be known as a "PhD candidate."

THE DISSERTATION PROSPECTUS

The Doctoral Dissertation is a project of the highest academic standard presenting independent work that contributes explicitly to the development and testing of theory in Architecture as well as to the overall body of knowledge in the field. The focal topic of the dissertation may be selected from a wide range of issues related to sustainable design but should be considered carefully and in consultation with faculty during a student's initial years in the PhD program. To facilitate this choice, the PhD curriculum requires a sequence of increasingly detailed descriptions of a student's dissertation intentions. For students planning to take their comprehensive examinations in their second year in the PhD program, the first of these is a Prospectus Abstract that cannot exceed 350 words submitted in late Fall term of the student's second year in the PhD program, followed by the Dissertation Prospectus, a 10-15 page document submitted in Winter term. Following successful completion of the comprehensive examinations, the Dissertation Proposal is then typically submitted in Fall term of the student's third year.

Purposes, Expectations and Uses of the Dissertation Prospectus

The dissertation prospectus is intended first and foremost to further the student's progress in conceiving, delimiting, and focusing their evolving dissertation ideas. Prior to preparing a prospectus, the student will have completed the doctoral program common core courses in theory, research, and investigation, received approval of their planned program of study, completed a substantial body of their PhD coursework, and nominated a comprehensive examination committee. The dissertation prospectus is also a way for the student to inform their comprehensive examination committee of the general direction of their dissertation intentions so that examination questions may be best formulated to serve those ends. Finally, the dissertation prospectus serves the student as a conceptual and organizational stepping-stone to the full Dissertation Proposal.

Doctoral students need time to choose a dissertation topic. Once a topic is chosen, they need even more time to specify, in the Dissertation Proposal, what will be involved in carrying out the dissertation work the dissertation, and then still more time to conduct the work, write the final dissertation and prepare the oral presentation that summarizes and defends it. The dissertation prospectus serves the student by providing a preliminary characterization of their thinking about the dissertation relatively early in this

sequence. What follows is an outline of the minimum contents of the Dissertation Prospectus. Students may choose to elaborate on this, but all items listed should be included.

Dissertation Prospectus Contents

- 1) A clear, focused description of the topic of interest with a brief summary of the key theoretical foundations of seminal work on the topic, cited appropriately (4-5 pages).
- 2) A preliminary statement of the problem the project will address within this larger topic and the researchable question(s) it will answer in doing so (1-2 pages).
- 3) A summary description with useful figures of relevant methodological approaches under consideration, including the opportunities and constraints each is likely to impose on the dissertation progress (3-5 pages).
- 4) An annotated summary bibliography of additional relevant work on the chosen topic and problem statement that was not referenced in items 1-3 above (2-3 pages).
- 5) A list of potential dissertation committee members and the term planned to complete and defend the dissertation.
- 6) Two questions for potential use in the written comprehensive examination.
- 7) A proposed date and time for the oral examination in week 8 of Spring term, and a list of all other times available during that week.

Submittal process and timing

Students intending to take their comprehensive examinations in Spring term of their second year in the PhD program are required to submit a 1-page abstract of the prospectus by Monday of week 10 of the Fall term of their second year to their major advisor for approval. This abstract is a step-along-the-way to the dissertation prospectus. The abstract will briefly address the topic of interest, a preliminary problem statement and anticipated mode of inquiry. Students are encouraged to submit in-progress drafts of the abstract, and later the prospectus to their faculty advisor for comment. Once the dissertation prospectus is finalized, the student should submit electronic and hard copies of it to their faculty advisor who will then circulate it to the full PhD committee and the student's comprehensive exam committee for review. The final dissertation prospectus should be submitted no later than the end of week 5 of Winter term, or as determined in consultation with the student's faculty advisor based on the student's progress.

THE WRITTEN EXAMINATION

Following receipt of the Dissertation Prospectus, the examination committee will prepare for the student a written comprehensive examination, which will be given to the student the first week of Spring term. The committee will specify **up to four questions** to be answered by the student. In general, two of the examination questions will be directly related to the student's prospectus and two others will be more broadly directed to knowledge in the field of architecture as it relates to sustainable design. The questions directed toward the student's prospectus may address (a) important theoretical or conceptual issues, (b) methodological knowledge and application, and (c) synthetic themes examining the relation of the student's dissertation topic to other areas of architecture, or to an outside supporting field. The other questions should include issues of theory and methodology that demonstrate breadth and depth of understanding in the field. They may require answers that address relevant disciplinary areas of architecture, cut across the different areas of architecture, or that address connections with related disciplines.

Students will be given **two weeks** to develop and submit answers to the written examination questions. This will be done "open book" with access to all relevant sources that the student may need to develop thorough answers. The committee may specify the required maximum length of answers for different questions, but the length for any question will not exceed 30 double-spaced pages and the maximum written examination response length shall not exceed **60 double-spaced pages**. All answers should include references to published works and should be accompanied by a bibliography, which is not counted towards the page limit. Maps, figures, illustrations and tables should be included where appropriate without counting toward the page limit. The examination committee may take special

allowances for non-native speakers or individuals with disabilities, especially with regard to time allotted for completion of the written examination.

The written comprehensive exam is typically administered during the first week of Spring term (or the scheduled term) but may be administered earlier than the first week by student request to both the Comprehensive Committee Chair and PhD Program Director. The student must be enrolled for that term for a minimum of five ARCH 605 Reading credits. The request is contingent upon availability of the Committee Chair or other representative to administer the exam questions.

THE ORAL EXAMINATION

When the written part of the examination is completed and has been read by each of the committee members, the student will be given an oral examination (typically one to two weeks following completion of the written examination) in which they respond to questions posed by the committee members. The oral examination will consist primarily of further exploration of the questions and answers in the written part of the examination, and normally will take **two hours**. The student may be asked to discuss the general character of their answers, clarify or amplify points they made, justify the approach they took, address relevant issues they did not include in their answers and/or respond to arguments that oppose the positions they adopted. Oral examinations may be completed between terms with approval from the PhD Director and the committee members. During the term, the deadline for the Oral Defense is Friday of Week 9.

After the oral examination, the committee will meet in closed session to evaluate the student's performance in both the oral and written examinations. There are three possible outcomes of the committee's deliberations: pass, fail, and deferred decision. In the case of a deferred decision, students will be given one week to redo unsatisfactory responses. At the end of the rewrite period, the committee will review the revised answers and will decide whether or not a second oral examination is necessary. If the committee is not satisfied with the revised answers, the student will be failed and be given another opportunity to retake the examination the following term (not including summer). If the student fails the examinations outright, they will also be given an opportunity to retake the examination the following term (not including summer). Even if they pass the examination, the committee may determine that there are some deficiencies that need to be addressed by additional coursework or reading. Under these circumstances, advancement to candidacy will be delayed until the additional requirement has been met. If a student cannot successfully complete the examinations, then the examination committee will recommend the student leave the program.

Students who are not making satisfactory progress are ineligible for GE appointments, and can have those appointments cancelled. Ordinarily, three months must elapse before a second examination is given and the committee must, if at all possible, be the same as for the original examination. A third examination is not permitted. Failure to complete the comprehensive examinations to the committee's satisfaction signals the end of the student's doctoral studies in the Department.

Once students have passed their comprehensive examinations, they will be formally advanced to candidacy in the program.

DETAILED COMPREHENSIVE EXAMINATIONS TIMELINE

The example schedule below shows the timelines for students who plan to take their comprehensive examinations in Spring term of their second year in the doctoral program. The department employs these timelines to help the process go as smoothly as possible.

Fall Term (2nd year in PhD Program)

- 1) The student, in consultation with their faculty advisor, nominates an examination committee, and submits this list to the PhD committee in writing for approval by the Architecture PhD committee by Monday of Week 10. The student should indicate the Architecture faculty

member that will serve as the chair of the exams. The PhD committee will review the list and accept it or request changes within five working days. The PhD director will then send a formal request to each proposed committee member, including a description of the comprehensive examination process, and a proposed meeting time for the first examination committee meeting during week 7 of Winter term.

- 2) The student submits a Prospectus Abstract to their faculty advisor for approval by Monday of Week 10. The faculty advisor will send a memo to the student and to the PhD director within one week to the effect that they recommend:
 - Abstract Approved: The abstract suggests that a good proposal can be developed in this area.
 - Modify Approach: The abstract suggests that the student can present a proposal in this area; however, the student may wish to consider the following comments (these will be spelled out).
 - Revise Abstract: The abstract suggests that a high quality proposal would be difficult to develop. The student should develop a new proposal topic or a new approach to the same topic.

Winter Term (2nd year in PhD Program)

Most students will devote significant time to preparing for the comprehensive examinations prior to actually taking them in Spring term. It is recommended that students register for ARCH 605 Reading and Conference with their faculty advisor and meet with faculty who will serve on their comprehensive examination committee. During the preparation period, students should consult the examination committee members for appropriate readings and read the literature strategically and critically. Students also may wish to consult faculty regarding strategies to help them prepare for the examinations, especially in light of the directions implied in their dissertation prospectus. Students may seek faculty input on the examination questions they propose in their prospectus — their scope, content, and form — prior to commencement of the examinations, but the responsibility for producing the final draft of the questions is the student's alone.

Week 5. The student submits an electronic and hard copy of the dissertation prospectus by Monday of week 5 to the faculty advisor who circulates it to the full PhD committee and the comprehensive exam committee for review. PhD committee faculty who are not on the examination committee and who wish to submit comments on the prospectus to the examination committee must do so in writing to the PhD program director prior to the first examination committee meeting in week 7.

Week 7. The examination committee meets to review the prospectus and determine examination questions, and to review examination procedures and timelines, including the date and time for the oral examinations.

Spring Term

Week 1. The student is given examination questions on Monday and has **two calendar weeks** to submit their answers.

Week 3. The student submits an electronic and hard copy of their examination questions and answers as a single document to the examination committee chair by Monday 5:00 PM for distribution to the committee.

Week 5 to 9. The student meets with the examination committee for oral exams. Following the question and answer period, the committee meets in closed session to evaluate the student's performance on the entire comprehensive examinations (prospectus, written exam, oral exam).

Once they have reached a decision, the student is invited back to the room to be informed of the outcome.

The examination committee chair must submit a formal decision in writing to the student and the PhD program director within one calendar week, including any specifications for revisions, additional readings or coursework.

The Oral Exam must be completed by Friday of Week 9.

Week 10 (assuming successful completion of the exams). Students advance to candidacy when they have successfully completed the comprehensive examinations. At that point, students should meet with the PhD director to a) provide a copy of the written questions and answers for the student file, and b) prepare the forms required by the university for the advancement to candidacy. Within two weeks of passing the examinations, the PhD director must submit a report to the Dean of the Graduate School recommending advancement to candidacy. The student and her/his faculty advisor should ensure that the necessary paperwork is completed. Advancement typically takes effect in the first regular academic term following completion of the comprehensive examinations. Students must be registered for a minimum number of credits at the University of Oregon in the term in which they advance to candidacy.

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THE DISSERTATION

All candidates must submit a dissertation based on independent and original research. The dissertation must contribute significantly to knowledge, show a mastery of the literature of the subject, be written in acceptable literary style, and conform to the standards outlined in the *University of Oregon Style and Policy Manual for Theses and Dissertations*. If students plan to submit a dissertation in journal format style, they must obtain approval from the Graduate School at least one term prior to the defense.

Upon successful completion of the qualifying examinations, the PhD student is advanced to candidacy and becomes a PhD candidate. This is a major milestone that marks a significant point of transition. The focus now is on completion of the research and writing that will culminate in an approved dissertation.

The dissertation topic is pursued within the intellectual context of one of the department's areas of concentration. The department's Architecture and Interior Architecture Programs support areas of concentration in design theory, design methods, building technology, housing, interior design, urban design and urban architecture as well as settlement and small town design. These areas represent particular strengths of the Department of Architecture, each with faculty members active in research and publication. Within each of these areas, faculty members and students examine critical issues of sustainability, so that most faculty in the department, even those not serving on dissertation committees, will be in a position to support the PhD program. The types of research topics that will be undertaken by PhD candidates may include investigations of the energy efficiency of buildings such as passive and low energy design strategies that reduce the need for fossil fuels or methods for forecasting energy use and efficiency in buildings. Topics related to building design and construction may address sustainable building material and system applications, strategies for achieving net-zero energy buildings or the sustainable re-use of existing and historic buildings. At the sustainable cities and communities scale students can investigate environmental impacts of urban districts or design methods for producing high-performing eco-districts and zero-energy urban development. Students will address these topics through integrated research design that typically encompasses an array of spatial, environmental, historical, social, political, technical, and economic factors. In addition to a rigorous understanding of building performance in the context of community development and broader social processes and policies, each student will also be expected to demonstrate an understanding of the literature, theory, and research in a related focus area within the larger discipline.

WHEN TO BEGIN THE DISSERTATION?

The dissertation phase of the program officially begins after passage of the comprehensive examinations and advancement to candidacy. Students are expected to submit a dissertation proposal during the term following passage of the examinations and must submit the proposal within three regular terms of the examinations.

Prior to proposal submission, the student formally selects a dissertation committee (see above). All dissertation committee members must approve dissertation proposals in writing. Students must submit a complete draft of the proposal to their committee two weeks prior to its public presentation. Committee members have one week following the presentation to approve the proposal or specify desired revisions.

DISSERTATION COMMITTEE

The student's first step upon advancement to candidacy is normally to nominate a dissertation committee. Once the student nominates a dissertation committee and the PhD committee accepts the list, a letter recommending appointment of the dissertation committee is sent by the department to the Graduate School. For composition of the dissertation committee see Roles and Responsibilities above. The committee should be proposed to the Dean of the Graduate School within one month of advancement to candidacy but in no case no later than six months after advancement to candidacy. At the time they nominate the committee, the student also recommends a dissertation committee chair, typically the faculty advisor. The chair must be a member of the Architecture PhD committee. The establishment of the committee should be done within one term of advancement to candidacy. If the recommended members are approved, the Graduate School then sends each member a formal notice of appointment.

The committee consists of at **least four members**: the chair, one institutional representative, and two core members. All committee members must be members of the Graduate Faculty. The dissertation chair shall not act as the chairperson of the comprehensive examination committee for the same candidate. It is possible to have more members as long as the student receives permission from the PhD committee and the Graduate School. The committee will guide the student's research and pass judgment on the merits of the dissertation. The dissertation chair and the majority of the committee members will be architecture faculty who are members of the department's PhD faculty. Students are expected to consult with the PhD program director and Advisor about potential dissertation committee members to determine their eligibility in accordance with UO Graduate School requirements.

Committee Composition

Membership of the committee should include faculty whose teaching and research specializations are closest to the student's intended research focus, and faculty with expertise in the research skills and methods appropriate for that research focus. Faculty members may decline invitations to join dissertation committees if they feel they cannot adequately advise the student on the intended research focus, or if their schedule does not allow them to participate fully. The membership of the committee may change at any subsequent time to fit changes in the student's research focus.

The Dissertation Chair

A dissertation committee chair is typically the faculty advisor. The chair must be a member of the Architecture PhD committee. Students should select a dissertation chair during the second year of study and should work with the dissertation chair on the development of the prospectus and dissertation. The primary roles of the chair are to guide the candidate at all stages of the project, including formulating the proposal, carrying out the research, and writing the dissertation. The dissertation chair also helps monitor the student's progress, ensures that all committee members have reviewed the dissertation, and that substantive objections are resolved prior to the defense. The student should select a dissertation chair in consultation with the PhD program director and the faculty advisor. The PhD committee must approve the dissertation chair. The student and dissertation chair should set up a plan for meetings to discuss progress on research and review of dissertation drafts. It is the student's responsibility to maintain regular communication with the dissertation chair, even during periods when the faculty member may be on leave from the university. A change of dissertation chair requires the review and approval of the PhD committee. The dissertation chair must be a member of the UO Graduate Faculty with authorization to chair, a faculty member in the department of architecture, and hold a PhD or be on the approved list of faculty for architecture PhD committees. We anticipate a faculty member will serve as dissertation chair to no more than three doctoral students at any given time.

The Institutional Representative. The Institutional Representative serves in the role of impartial, “outside” committee member who ensures that all rules and standard practices governing committee procedures are followed. The Institutional Representative typically also offers substantive expertise related to the dissertation, although this is not required, The Institutional Representative must be a tenure-related member of the Graduate Faculty and from a University of Oregon department *other* than the Department of Architecture.

Core Members. At least one of the two core members must be a member of the Graduate Faculty from the Department of Architecture. The remaining member may be from the Department of Architecture, from another UO department, a faculty member from another college or university (see detailed UO Graduate Policy on “Procedure for Appointment of Committee Members who are not on the UO Graduate Faculty”), or a qualified practicing professional or community member with demonstrated expertise related to the dissertation topic (see detailed UO Graduate Policy “Procedure for Appointment of Committee Members who are not on the UO Graduate Faculty”). Requests by students for core members from outside the department must be submitted in writing to the Architecture PhD committee for approval. Additional core members from outside the department may be members of another UO department or as noted below. Approval will be based on the goodness-of-fit of the faculty member’s expertise with the student’s proposed research in light of the following four criteria:

- PhD or departmental affiliation in a strongly-related field
- Specific architecture focus of their research
- Familiarity with architecture as a discipline and with UO architecture and its traditions of scholarship
- Expertise and/or scholarship in relation to sustainable design at a scale central to the student’s dissertation.

Optional Members. A dissertation committee may include core members beyond the two basic members if they are from the Department of Architecture or another UO department, or, if approved by the Graduate School, a UO non-tenure track faculty member, a faculty member from another college or university, or a qualified practicing professional or community member with demonstrated expertise related to the dissertation topic. It is the student’s responsibility to keep the committee informed of progress and ensure timeliness of necessary reviews.

DISSERTATION PROPOSAL

The student is expected to submit a dissertation proposal during the term following passage of the comprehensive examinations and must submit the proposal within three regular terms of the exams. Each member of the dissertation committee must approve the student’s formal written dissertation proposal following a scheduled public proposal presentation before the student undertakes the dissertation.

What is a Dissertation Proposal?

The dissertation proposal sets the foundation for the dissertation, demonstrates that the project is executable, and shows the candidate’s familiarity with the field. It should generally be between 15 and 20 pages of text (double-spaced and with page numbers) and include a preliminary bibliography. The bibliography is not counted when considering the total number of pages. The proposal should take the form of a grant-funding proposal appropriate for the project. Although each project and proposal format will have its own unique requirements, a typical proposal will include the following components:

Cover Page

The cover page must include the working title of the dissertation, the student’s name, the names of all committee members and their respective departments. Allow room for committee member signatures. Also provide the date of submission.

Abstract

The abstract must follow University of Oregon guidelines to include a brief statement of the problem, purpose, significance, and methodology. It cannot exceed 350 words.

Purpose

A proposal must include a clear statement of the purpose of the research. This may include descriptions of the questions under investigation, hypotheses being tested, discourses being studied, etc. This section should begin with a one-sentence statement of the research problem. If it takes more than one sentence, students are probably unclear about the nature of the problem. This is one of the most difficult aspects of research because it must be something that is of personal interest, acceptable to the advisor, meaningful to a broader audience of scholars and professionals, and accomplishable given available material and intellectual resources. The statement of purpose may be integrated with the project significance and literature review described below.

Significance

The importance of the research problem to architecture as a discipline must be made clear. This may involve citation of relevant literature (see below). The proposal should offer a clear rationale for why this research is significant. How will it contribute to the field's body of knowledge? How does it constitute an original contribution to the field?

Literature Review

Briefly summarize what is already known about the major problems, questions, claims, or discourses under investigation. What scholarship will the dissertation build on and connect with? Candidates need to situate their own study in the larger scholarly context and indicate where their work will follow existing scholarship and where it will break new ground. In this section, candidates are convincing readers that they know the relevant literature and that the project is distinctive. Candidates may incorporate all or part of the literature review within related areas of the proposal rather than as a stand-alone section.

Methodology

In this section, candidates should show how they plan to proceed with the research. What methodology or conceptual tools will the candidate use to investigate the subject and why are these appropriate? A distinguishing feature of academic research is the care given to the research design and process of information collection. The description of the proposed methods should provide sufficient detail that the committee can see that the student will be able to answer the questions posed and must be detailed to the level specified by the dissertation committee. The appropriateness of the research methods depends directly on the conceptual framework and related research question. Information collection and analysis should be tied directly to the research problem. This section may also include:

- the unit of analysis/observation;
- the information collection instruments and/or data sources;
- description of proposed case study sites, if applicable;
- sampling strategy, if appropriate; and
- the analytical and evaluative techniques used to process the information, including statistical techniques if appropriate.

Dissertation Outline

Candidates should present provisional thinking about the structure of the dissertation, potentially offering an overview of the chapters that indicates what each will cover. If the dissertation requires approval from the University of Oregon Office of Protection for Human Subjects, students must include the appropriate correspondence indicating approval, or discuss how they expect to meet

human subjects guidelines and when they intend to obtain approval. In addition, all students must follow Graduate School guidelines for filing research clearance forms prior to beginning data collection, regardless of the involvement of human subjects.

Schedule

Provide a succinct schedule that demonstrates a timeline for completion of the project. This should include entries for approvals, fieldwork, writing, editing, and review. Include the expected dissertation completion date.

References

The references section should not be excessively long. The purpose is to identify those works that are central to the problem. Students may list items that are not included as citations in the text of the proposal. The final dissertation, however, normally includes only reference items that are actually cited in the body of the work.

WHAT IS A DISSERTATION?

According to the Graduate School at the University of Oregon, “a dissertation is a substantial document presenting independent research which makes a contribution to the current body of knowledge in a scholarly field. The author may conduct an original investigation or develop an original interpretation of existing research and/or literature. A dissertation adheres to a standard format, generally including five basic chapters or divisions: an introduction and statement of the problem, a review of the literature pertinent to the problem, an explanation of the materials and methods used to solve the problem, a discussion of results, and a conclusion. A formal bibliography of references cited in the dissertation is also required.”

The dissertation is both a product and the result of a detailed process. As a written product, the dissertation must conform to the *University of Oregon Style and Policy Manual of Theses and Dissertations*. Please refer to the University of Oregon Graduate Program’s website for these and other specific dissertation guidelines.

Dissertation as a Product

The dissertation may take the traditional thesis format that reads as a single document from beginning to end, or it may be organized in paper format where each main chapter takes the form of a stand-alone journal article. In the latter case, the overarching intellectual theme that connects the chapters is described in brief Introduction and Conclusion chapters that bracket the main body of the work.

The dissertation format should be in accordance with the nature and content of the dissertation and must follow university guidelines. The organization of the dissertation can follow different formats, but the contents listed below are generally included in some way. The required preliminary pages are specified in the *Style and Policy Manual*. The organization of the body of the dissertation is more flexible, but generally follows the example below for either the dissertation as a whole (traditional thesis format) or each main chapter (journal format).

Preliminary Pages

- Front Cover
- Title Page
- Approval Page
- Copyright Page
- Abstract
- Curriculum Vitae
- Acknowledgements
- Dedication (optional)
- Table of Contents
- List of Tables

- List of Figures
- Abbreviations (optional)

Introduction

- Statement of the problem: Introduction of the problem and theoretical context
- Purpose of the study
- Objective of the study: Delineation of theory and theoretical propositions to be tested or used; research or design questions and/or hypotheses
- Significance of the study: Explanation of problem's significance and justification of need for research
- Assumptions/Hypotheses/Researchable Questions
- Scope and limitations
- Definition of terms

Literature Review

- Historical background of problem area
- Analysis and summary of current knowledge and theory relevant to problem
- Relation of literature and theory to the study
- Expected contribution of proposed study to literature and/or relationship of research or creative activity to existing knowledge and theory
- Rationale for the study

Methodology

- Development of information collection instrument, sampling plan, and data analysis
- Specification of experimentation, manipulation, and/or test administration methods
- Pilot testing, validity and reliability tests

Results/Discussion

- Summarize and interpret findings and place them in context

Conclusion

- Recommendations concerning methodology or focus of future studies and/or application of results
- Limitations, e.g., validity issues, measurement issues, statistical problems
- Implications of current outcomes
- Implications for future research

References

Appendices

- Copies of research instrument(s) utilized
- Specific materials relevant to the dissertation (cover letters, floor plans, survey instruments, programming code, etc.)
- Detailed data or results not included in body of dissertation
- Additional discussion of hypotheses/objectives

Dissertation as a Process

Although the typical dissertation process does not always follow a standardized sequence, it generally progresses through the following steps: conceptualization, literature review, fieldwork, analysis and evaluation of information, writing, editing, and rewriting. For example, during the fieldwork phase, new literature, revisions to the conceptualization, and preliminary writing may occur simultaneously.

Researching and writing the dissertation takes a minimum of a calendar year, and usually substantially longer. Normally, the candidate provides the dissertation committee chair and other committee members copies of the dissertation in draft form as the work progresses. Students should consult with their committee chair and with each member of the committee to determine when and in what order each member prefers to read dissertation chapters. Each dissertation chapter will require multiple drafts followed by revisions to craft the next draft. At appropriate stages, several of these in-progress drafts typically are provided to the committee chair and to selected committee members based on their area of expertise for comments and suggestions for further revision. Students are also encouraged to consult individually with committee members on issues related to their specific expertise.

DISSERTATION DEFENSE AND TIMELINE

Upon completion of the written dissertation, but before final approval by the Dissertation committee, all candidates must publicly present and defend their research. Students are expected to graduate during the term of the oral defense. The Graduate School requires a formal, public presentation of the dissertation on campus. It is in the student's interest to schedule their defense and fill all required forms as far in advance as is possible to ensure that both the oral defense and the final dissertation can be completed on time. Failure to do so will require an additional term to graduate, even if the defense was successful and the dissertation was accepted. Tentative approval of the dissertation by the committee is recommended prior to scheduling the formal defense. Students should consult the Graduate School's online Doctoral Degree Policies & Procedures for current information on forms and deadlines for their application for the oral defense of their dissertation. Students must register for a minimum of 3 credits of ARCH 603 Dissertation in both the term prior to the defense, as well as the term of the defense.

Two to Three Months Before the Defense

The candidate arranges a date and time for their defense with their dissertation committee chair and committee members. All members of the dissertation committee should be present at the defense. Ordinarily, no dissertations will be read during summer quarter. The dissertation should be complete before applying for the degree. Only preparation of the final copy for presentation at the defense should remain during the term in which application for degree has been made with the Registrar.

Because faculty schedules can be difficult to coordinate, students are strongly encouraged to check committee member availability at least 2-3 months prior to their anticipated defense and to schedule their defense at that time. It is also advisable to check with the architecture office coordinator for the availability of a room suitable for public presentation at that time and to reserve that room. In no case can the student submit the Graduate School *Application for Advanced Degree* and *Application for Oral Defense* later than Friday of week 2 in the term in which they wish to graduate.

Once the student has filed the *Application for Oral Defense*, an email will be sent to each committee member requesting their *Confirmation to Attend the Final Oral Defense*. After the student receives an email that states all committee members have confirmed their attendance, the student should contact the department office coordinator to obtain the *Application for Final Oral Defense for Doctoral Degree*. This form requires a signature of the department head and must be returned to the Graduate School, accompanied by copies of the student's abstract as specified in the Graduate School's Doctoral Degree Policies & Procedures Guide, no later than three weeks before the final defense (see below).

When the time and location for the defense are confirmed, the student must notify the architecture office coordinator so that a notice can be posted prominently.

Three Weeks Before the Defense

A copy of the final draft of the dissertation is submitted to each dissertation committee member for review, and another copy is put in the Department of Architecture office for review by other faculty and students. After the committee has read the manuscript, some final revisions are usually required. If major revisions are required, the committee can request the defense be postponed until a future time. Committee members may provide written or oral suggestions for revision of the defense draft either

before or at the dissertation defense. Failure to give the committee the manuscript at least three weeks prior to the public defense may result in a postponement of the defense. The dissertation committee chair must approve the dissertation title and abstract prior to copies being filed by the student with the Graduate School. This is also the final deadline for the *Application for Final Oral Defense* and the *Confirmation to Attend the Final Oral Defense* forms to be received by the Graduate School.

Defense Format and Scheduling

The dissertation typically is presented on Monday of Week 8 of the term in which it is to be completed. The candidate presents the main objectives and findings of the dissertation in a public presentation lasting approximately 45 minutes. Following the presentation, the public is invited to ask questions. Members of the dissertation committee then question the candidate on the research and related topics. The question session generally lasts about an hour. The dissertation committee then meets in closed session with the candidate where it may, at the discretion of the committee members, ask additional questions. After any final questions, the candidate is excused while the committee meets privately to decide whether the candidate has passed. When the committee has concluded its deliberations, the candidate returns so that the committee can communicate its decision. The chair then certifies to the Graduate School within one week, and no later than two weeks, that the defense was held as scheduled and whether it was successful.

Notification of the Results of the Dissertation Defense and Final Submission

Each member of the dissertation committee must confirm in writing either approval or disapproval of the final version of the dissertation and the oral defense. Approval requires a unanimous vote. In the event of a split vote, the Dean of the Graduate School determines the review procedure after consultation with the student, the Department Head (or the College of Design Dean), and the dissertation committee. The *Certificate of Completion of Graduate Work for Doctoral Degree* must be filed with the Graduate School within two weeks following the defense or by the final published deadline--whichever comes first. Following final approval, two copies of the dissertation must be submitted to the Graduate School. If no signed approval is received within two weeks of the oral defense, another oral defense must be scheduled to defend the dissertation. The final dissertation copies must be received by the Graduate School by Monday of week 11 of the term in which the student expects to graduate.

SELECTED REFERENCES

- Bolker, Joan. 1998. *Writing Your Dissertation in Fifteen Minutes a Day*. New York: Henry Holt and Company.
- Cioffi, Frank. 2005. *The Imaginative Argument: A Practical Manifesto for Writers*. Princeton, NJ: Princeton University Press.
- Leedy, Paul D. 1993. *Practical Research*, 5th ed. New York: Macmillan.
- Mauch, James E. 2003. *Guide to the Successful Thesis and Dissertation*, 5th ed. New York: Marcel Dekker.
- Przeworski, Adam and Salomon, Frank. 1999. *The Art of Writing Proposals*. New York: Social Science Research Council.
- Sternberg, David. 1981. *How to Complete and Survive a Doctoral Dissertation*. New York: St Martin's Griffin.
- Strunk, William, White, E.B., and Angell, Roger. *The Elements of Style*, 4th ed., Boston: Allyn and Baker.
- Turabian, Kate L. 1996. *A Manual for Writers of Term Papers, Theses, and Dissertations*, 6th ed. Chicago: University of Chicago Press.
- University of Oregon, Graduate School, *Style and Policy Manual for Theses and Dissertations*, available from <http://gradschool.uoregon.edu/?page=styleManualContents>

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MANAGING THE PROGRAM

PROGRAM OVERVIEW

A PhD in Architecture at the University of Oregon requires a minimum of two years in residence of full-time graduate work. Depending on their background and their research goals, students can expect to complete their degree in 4 to 6 years. During the first (residency) year, doctoral students must meet UO minimum requirements of 9 credits per quarter in Architecture. The timeframe for the program is based on a normal course load of 12 credits per term. At the completion of their coursework, normally the end of the second year, each student will take a written comprehensive exam that evaluates the student's general knowledge, followed by an oral comprehensive exam that evaluates the student's preparation to pursue advanced research in an area of concentration identified by the student. Once students have passed their comprehensive examinations, they will be formally advanced to candidacy in the program. At this point, the focus is on the completion of the dissertation.

GOALS FOR YEAR 1

Although students may have just arrived at the University of Oregon, it is important that they begin planning the doctoral program thoughtfully and carefully from the start. Paying close attention to the following steps during the first year will help students complete the degree in a reasonable amount of time and with maximum success.

1. Plan 1st year coursework carefully so that the required program of study can be completed by the end of the second year if possible. This means working with the faculty advisor and other faculty with whom the student wishes to consult to identify potential courses in each of the required program areas. Students then need to determine the academic term and time each course is offered and whether it is available on a yearly, every other year, or irregular basis. In particular, they should check to see if each course is offered in the year that they wish to take it. Students should identify course schedule conflicts in advance in case they need to take one course in the first year and another in the second. Students should determine if there are course prerequisites and how they will meet them. Students should talk to the course instructor to find out if the course content is really what is needed, what background the student should have, and so forth. The proposed program of study must be submitted to the PhD committee no later than week 5 of Spring term of the first year and should take into account these needs for the sequence and timing of courses to the extent possible.

2. Explore and develop the dissertation research interests. A doctoral degree is not earned simply through coursework, but uses coursework as a foundation to advanced scholarship, which culminates in the dissertation. The 1st year research and theory course sequence is designed to help each student progress toward submittal of the dissertation prospectus in winter term of the second year. Research, and the dissertation, requires self-directed focus that includes significant preparation and self-study outside of the courses.
3. Explore or develop analytical techniques relevant to the intended research topic. For some analytical areas students may need to take beginning and advanced courses in the same subject area, which will require careful course planning.
4. Pay careful attention to departmental and university requirements as described in this handbook and the Graduate School webpage and consult frequently with the faculty advisor.
5. Goals for the second and subsequent years should be developed with the faculty advisor.

ANNUAL REPORTS

Each academic year the student, in consultation with their faculty advisor, submits an annual progress report, which is used by the Department to assess and guide student progress. The content of the report, and means of evaluating progress, change substantially once a student advances to candidacy, as described below.

Prior to Advancement to Candidacy

The student's report should be submitted to the PhD committee by the faculty advisor no later than week 5 of Spring term. The report should include a brief summary of the student's goals, as applicable, for the year's coursework, research and teaching, the ways in which they were addressed, and extent to which they were fulfilled, as well as their comparable goals for the following year. The report should include:

- A list of all courses taken to date during the doctoral program on a term-by-term basis including grades received, and a calendar for completing the remainder of their PhD program of study.
- A list of this year's teaching or research appointments (GEs) presented on a term-by-term basis. For GE appointments, the report should include a brief description of the work performed and the outcomes achieved.

The student's progress report will be discussed at a PhD committee meeting to assess whether the student is making sufficient progress toward their degree. Following this discussion, a progress evaluation will be prepared by the faculty advisor and approved by the PhD committee, with special attention to academic strengths, weaknesses, and appropriate remedies. The PhD committee's progress evaluation must include a recommendation of whether the student has or has not made sufficient progress toward their degree in terms of:

- completion of coursework to fulfill degree requirements
- development of dissertation interests
- service and research applications of GEs.

At the end-of-term department faculty meeting, the PhD director will present the student's report and the PhD committee's progress evaluation to the entire department faculty and solicit feedback from them concerning the student's performance. Based on this discussion, the department head will make a decision on whether to accept or alter the recommendation of the PhD committee. The faculty advisor will then discuss the progress evaluation with the student and a copy of both the student's progress report and the PhD faculty's progress evaluation will be placed in the student's file. Failure of the student to submit a progress report and receive departmental approval of sufficient progress toward the degree

means that the student may not be eligible for continued support from university sources in the following academic year.

After Advancement to Candidacy

Following the student's advancement to candidacy, the content of the student's annual progress report is expanded as described below and the student's progress is assessed within the framework of an annual progress meeting with their dissertation committee. Other committee meetings may be held during the year, but one meeting must be designated to formally evaluate the student's progress. The purposes of the annual progress meeting are to ensure: that the committee is fully informed of the student's progress to date and plans for the coming year; the committee members share their thoughts on the student's progress and plans, and give the student consistent and mutually compatible guidance; and the student is making appropriate progress toward their degree.

Scheduling the Annual Progress Meeting

The student, in consultation with their dissertation chair, is responsible for scheduling an annual progress meeting that can be attended by all dissertation committee members. It should occur between week 5 of Winter quarter and week 5 of Spring quarter of each year after advancement to candidacy. If a committee member is on sabbatical or unavailable for an extended period (i.e. - one month or longer), the dissertation chair may choose to hold the meeting without her or him. In this case, the student should send the statement of coursework and research progress to the absent member in advance, so that she/he can provide written input to the student and the other committee members. Students should plan their progress meeting well in advance to avoid conflicts with shorter absences of committee members. To avoid the absence of a committee member, the meeting may be held earlier, or (rarely) later. Students usually are not expected to hold an annual progress meeting if they are within a term of completing the dissertation. Students planning to be on leave during the time period for annual progress meetings should consult with their major advisor to schedule a progress meeting to occur before they go on leave.

Preparation for the Meeting

Each student should prepare a short progress report and submit it to committee members no later than one week prior to the scheduled annual progress meeting. The report will generally be 5-7 single-spaced pages in length and should include:

- A list of all courses taken to date during the doctoral program on a term-by-term basis, including grades received, and a calendar for completing the remainder of their approved PhD Program of Study coursework, or any other courses.
- A list of the year's teaching or research appointments (GEs) presented on a term-by-term basis. For GE appointments, the report should include a brief description of the work performed and the outcomes achieved.
- A summary of the past year's research activities, including any publications or research presentations.
- Planned research for the coming year.
- A proposed table of contents for the dissertation with chapter titles and a timetable for completion of the dissertation.
- A clear and concise statement of the research question(s) that is(are) being addressed, a description of the mode of inquiry and methodological approach(es) being applied, a summary of results obtained to date, and a statement of how these results bear on the question(s) posed.

Meeting Procedures

The dissertation committee chair (typically the faculty advisor) is responsible for running the meeting. Once the student and committee have assembled, the student makes a short presentation of their progress over the past year, including their future plans and key issues or questions they wish to raise at the meeting. Following the presentation, the committee will continue to discuss

the student's progress and plans until they are satisfied that all key issues have been adequately covered. At the end of the meeting, the student will be asked to step out of the room briefly so that the committee may discuss its recommendations for whether the student is making satisfactory progress toward their degree. The student will then be asked to return to the room to be informed of the decision. The student should leave the meeting with clear priorities for the next year – this will make their work more productive and relations with their committee more positive.

Outcome of the Meeting

The dissertation committee chair will submit a written report of the annual progress meeting to the PhD program director that has been approved by all committee members in which they recommend whether the student is making satisfactory progress toward their PhD degree. Evaluation of progress should be based on the student's progress report and on the oral presentation at the meeting. The student's progress report, the report of the committee chair, and the committee's recommendation will be placed in the student's file and will be discussed at the end-of-the-year department faculty meeting prior to a decision by the department head as described above.

Changes

In the unlikely event of student emergencies, changes in research focus, and/or initiation of a change in advisor by the student, the student should first consult with the PhD director to mediate or advise the student. If a change occurs initiated by the faculty advisor, the head of the department will be consulted to resolve faculty issues.

Assessment of Satisfactory Progress Toward the Degree

Doctoral students are expected to engage their coursework and scholarship at the highest cognitive, emotional, and professional levels that reflect their position as the most experienced and advanced students in the department, and to make comparable contributions to the department and field through these and other activities. *To this end, satisfactory progress for Architecture PhD students will be evaluated based on the following criteria:*

Completion of Program of Study

- Courses completed as scheduled in program of study
- Successful completion of each course, a pattern of successful achievement across all program of study courses, and excellence in courses of greatest relevance to the student's intended area of research

Preparation for Comprehensive Exams and Dissertation Research

- On-track for taking comp exams in the second year or no later than the third year
- Demonstration of a level of scholarship necessary to likely pass comp exams
- Steady and appropriate progress in developing a well-conceived research topic and the skills necessary for successful completion
- Careful and critical use of departmental research GEs as demonstrated through appropriate development and execution of independent products and activities

Contributions to Architecture and to the Architecture Department's programs

- Contributions to the department through meaningful and impactful performance in service
- Significant contributions, as part of normal activities as a PhD student, to the department in the classroom, studio reviews, seminars, public presentations, or other departmental or professional activities that advance the life and learning of the department or field in terms of design ideas, conversation, research and scholarship
- Timely correction or remediation of previously noted weaknesses from past Annual Reports

- Demonstration of high aspirations for, and growing achievements, in analytic abilities and honesty in all work.

Failure of the student to submit a progress report, meet with their committee, and receive departmental approval of sufficient progress toward the degree will be viewed as evidence of insufficient progress and may mean that the student is ineligible for continued support from university sources in the following academic year.

FUNDING OPPORTUNITIES

Incoming PhD students **may** receive a combination of 0.49 FTE Graduate Employee (GE) work for up to **four years** contingent upon successful progress and performance in the program and funding availability. Graduate Employee work, which take the form of tuition and a monthly stipend for 0.2 to 0.49 FTE employment, are provided through the department, university, and individual faculty members, typically from research grants and contracts. The result of this strategy has several benefits – it provides valuable skills in teaching and research as part of the program of study, it will introduce PhD students to the expected norm for faculty loads at research universities, and the collaboration with faculty will assist the department in curricular innovation and research development. During the academic year, PhD students may be expected to teach one term in a lower division studio and one term for specialized instruction in a large lecture or seminar related to the program of study, and one term for research working with a faculty member. PhD students are encouraged to seek financial opportunities through the PhD committee, the Department of Architecture, the University of Oregon Graduate School, and the UO Financial Aid Office. Students are strongly encouraged to seek extramural funding from external agencies in the topical area of their study, particularly for programs of study beyond the four years of support. The number of Graduate Fellow appointments available is subject to budgetary constraints. Over the course of their program, students are also encouraged to request additional financial support from the department and other sources for conference attendance, research expense support, and other related expenses.

Architecture PhD Research Fund

The intent of the Ph.D. Research Fund is to enable Ph.D. students to carry out scholarly, creative work that should lead to the pursuit of other funding sources, and/or promote the development of scholarly activities. Projects or activities funded through the Ph.D. Research Fund could include: pilot research, emerging research opportunities, research equipment, travel to conferences, and new research resources. The Department generally budgets up to \$1,000 per year per student, not to exceed \$2,000 expenditure for up to 2 years in residence. If students are not in residence in Eugene, they will not be eligible for the fund. The funds come from the department and the \$500 deposit made by the student upon commitment to the program. These simple guidelines will describe the process for accessing the funds, which will ensure quality and fairness of expenditures.

Proposals Process

Students should submit to their Faculty Advisor for review and approval a proposal for expenditure:

- MS Word or PDF document (limit 1 page) providing a clear explanation of the purpose, importance and objective of the project or activity; appropriate methodologies of the topic, and avoid the use of jargon and unexplained acronyms. Include a signature line and date for the Faculty Advisor.
- Budget Justification, noting any personal or matching funds/sources (limit 1 page)
- A copy of the approved and signed proposal shall be placed in the student's file.

Review Criteria

Proposals should provide clear explanation of the proposal using the following criteria.

Scholarly Merit

- Provides a compelling argument for the research?

- Suitable fit to the student's research focus
- Significantly expand or diversify the student's scholarly base?
- Represents a significant contribution to or impact on the student's field of study?
- Potential to significantly affect areas outside of the student's field?
- Probability of publication or public dissemination?
- Identifies audience for the proposed work and explains the value to the audience

Nature of Proposal

- Provides a clear statement of overall project/activity objectives?
- Appropriate and accurate methodologies
- Provides clear and specific budget information? (for example, price quotes for specific models)
- Potential results and conclusions from this activity?
- Well-written and crafted proposal?

Leverage

- Leads to further scholarly activity?
- Improves chances for funding from existing sources?
- Offers opportunities for funding from new sources?
- Builds research networks with potential collaborators?

Other Considerations

- Is the student trying to make a significant step in their research?
- Does the proposed work have real-world significance?
- Does the project/activity have local relevance?
- Does the proposal/activity help to network more broadly within your field?
- Are there personal contributions from other sources?
- Is the timeline and budget proposed feasible?

Use of Funds

- Travel to meetings/conferences (includes essential conference registration, double occupancy lodging, and travel expenses to the most affordable means of transport)
- Materials or equipment for an experiment or construction
- Research equipment and Supplies
- Services

Application Procedure

- Students may apply at anytime during the year for approval of funds. Once approved, the student should follow the University policies and regulations for travel, expenditures, and reimbursements and/or use of the index at the University bookstore.
- Students will continue to qualify for the Ph.D. program if they are in good standing.
- Expenditures must not exceed existing balances.
- In the event that a student, having a balance in their account, ceases to be eligible for the program, the remaining balance accrued to that individual will be returned to campus control.
- All equipment, books and other supplies purchased with the Ph.D. Research funds remain the property of the UO; this includes purchases, which combine funds, and applies even if the majority of funds are from another source, such as a student's personal income.
- The Ph.D. committee will monitor and review allocations and expenditures annually.

RESOURCES

Students in the Architecture Department will receive workstations in the graduate research studio.

UNIVERSITY REQUIREMENTS

Graduate students must take a high level of personal responsibility for understanding and complying with all university requirements. They should become intimately familiar with the Graduate School and Doctoral Program requirements described on the Graduate School webpage. In particular, they should pay close attention to the sections on: Doctoral Degree Policies & Procedures; Enrollment and Residency Policies and Information; and Research Ethics and Compliance

These sections contain policies and procedures with which students must comply. Failure to do so may result in delays in progress, or, in the worst cases, failure to be granted a degree. Some of the most critical of these policies are the Continuous Enrollment Policy, the first-year Doctoral Residency Requirements, the Research Ethics and Compliance policies (including the Research Clearance Form, which must be filed with the Graduate School before data collection begins), and the Doctoral Candidate Seven-Year Time Limit. Every PhD student should read thoroughly all policies on the official Graduate School webpage. The following provide only the basic elements of the most time-sensitive policies:

Residency and Credit Requirements

For the PhD degree, at least two academic years must be spent in residence on the Eugene campus after the student has been classified as a conditionally or an unconditionally admitted student in the doctoral program. During these two years of residency the student is expected to make progress toward the degree by completing course credits and satisfying doctoral degree requirements. The residency years consists of six consecutive terms of full-time study, with a **minimum of 9 completed graduate credits each term**. If after the minimum two-year period in Eugene, and in consultation with the PhD committee, the student decides to complete the degree program from outside of Eugene, then GE support will not be provided.

Continuous Enrollment

Unless on-leave status has been approved, a student enrolled in a doctoral program must attend the university continuously (except summers) until all the program's requirements, including submission of the dissertation to the Graduate School, have been met. To be continuously enrolled, the student must register for at least three graduate credits each term excluding summer sessions. Following the advancement to candidacy only a single year "in absentia" is allowed. Students must maintain registration of three graduate credit hours or in absentia registration.

Time Limit

The **seven-year time limit** for completing a doctoral degree begins with the first term of admission as a conditional or regular doctoral student at the University of Oregon. The required years of residency spent on the Eugene campus, the passing of the examinations required for advancement to candidacy, and the completion of the doctoral dissertation must all be accomplished within this seven-year period.

Leaves of Absence

The Architecture PhD program conforms to the leave policies of the UO Graduate School, available on the Graduate School's website. Both the Department and the Graduate School must approve all requests. Departmental approval may include specific conditions related to the student's satisfactory progress, departmental funding, or the faculty advisor/advisee status as described below under Departmental policies. Students are *strongly encouraged* to discuss any potential leaves as soon as possible with their major advisor and/or the PhD program director.

Graduate School Policies regarding leaves of absence

Doctoral students who have not yet advanced to candidacy are eligible for up to three terms of on-leave status. They must submit a request for on-leave Status online through the Graduate School webpage in which the student must describe their planned term(s) of absence and the term they plan to return. Once advanced to candidacy, doctoral students are eligible for up to three terms of In Absentia status during the dissertation process. Similar to an on-leave status, they must submit a request for In Absentia Status, specifying their planned terms of absence and return. During terms of approved on-leave and In Absentia status, graduate students do not register and are not allowed to make use of university services, faculty or staff time. Graduate students must register and pay fees if they will be using university facilities or faculty or staff services during any term. To ensure a place upon return, doctoral students interrupting their study program for one or more terms, excluding summer session, must submit a request for on-leave or In Absentia Status to the Graduate School by the last registration day in the term for which leave is being requested. Only doctoral students considered to be in good standing are eligible.

Departmental approval is required before the Graduate School can review the request for leave. On-leave/In Absentia status is granted for a specified time period which may not exceed three academic terms, excluding summer session. On-leave/In Absentia status does not extend the student's seven year completion deadline.

Department of Architecture Policies regarding leaves of absence

When a PhD student requests a leave of absence, the Department's capacity to plan for their faculty advisor/advisee relationship, departmental service and funding support must also shift, just as the student's commitment to pursuing their PhD studies has shifted. This has implications for the Department's PhD admissions queue and both the base-level annual GTF support and any doctoral dissertation development funds that a student proposing a leave of absence may require. To maximize the Department's ability to maintain the advisor/advisee and funding relationship in place when the student began the PhD program, the student taking a leave of absence must follow the process outlined below:

- 1) The student must notify in writing first the Department and, following departmental approval, then the Graduate School of their intent to take a leave of absence, noting the terms they plan to be absent.
- 2) The student must notify the Department in writing of their intent to resume full-time studies no less than 3 calendar months (i.e., one academic term) prior to the first day of the term they plan to return to full-time studies. If the student notifies the Department of their intent to return, and then does not return in the stated term, the Department will consider that the student is not making sufficient progress towards the PhD and therefore may forfeit their status as a PhD student in good standing.
- 3) The PhD director will reply to this Notice of Intent to Return with a written acknowledgment of this notice stating the capacity of the Department to resume major advisee/advisor relationships and funding support. The student should be fully aware prior to taking a leave of absence that there is no guarantee the Department will be able to resume the arrangement originally offered to the student when they first began their studies. In effect, the leave of absence necessitates a re-consideration of the student's status in the PhD Program regarding a) advisor/advisee relationship, b) adequate yearly progress and c) financial support.

Research Clearance

The Graduate School requires that all graduate students doing a Doctoral Dissertation file a Research Clearance form before beginning data collection. In addition, those students intending to engage in research involving human or animal subjects must file appropriate protocols forms and receive approval prior to the collection of data.

THE ARCHITECTURE PHD PROCESS

COURSEWORK

Complete all course requirements based on the student's individualized Program of Study. This typically happens during the first two years of Ph.D. study.

SELECT COMPREHENSIVE EXAM COMMITTEE AND TAKE EXAMS

Exams include questions related to the student's area of specialization and their Dissertation Prospectus, as well as core knowledge of sustainable design. Students typically complete this step in Spring term of Year 2

ADVANCE TO CANDIDACY

Students advance to candidacy after successfully completing their Comprehensive Exams.

SELECT DISSERTATION COMMITTEE AND FINALIZE DISSERTATION PROPOSAL

Students are expected to formally select a dissertation committee and to submit a dissertation proposal during the term following passage of the exams, and must submit the proposal within three regular terms of the exams. Proposals must be approved by all dissertation committee members following a public presentation.

DISSERTATION RESEARCH AND WRITING

Researching and writing the dissertation takes a minimum of a calendar year, and usually substantially longer. Students register for ARCH 603 when doing this work.

DISSERTATION DEFENSE

Students complete this step the term they graduate. They must register for three credits of ARCH 603 during the final term.

DIPLOMA

8

APPENDICES

- 1. Annual Report Form**
- 2. Dissertation Abstract Form**
- 3. Comprehensive Exam Committee Nomination Form**
- 4. Faculty Advisor Change Form**
- 5. Dissertation Committee Nomination Form**
- 6. Dissertation Proposal – Committee Approval Form**
- 7. Advancement to Candidacy Form**

Name _____

Ph.D. in Architecture Program

Date _____

ANNUAL REPORT

Date Began Doctoral Studies:

Expected Completion:

I. Progress in the Last Nine Months:

1. *Curriculum Vitae* (attach)

2. *Program Requirements Completed*

EXAMPLE	Fall	Winter	Spring
Year 1 (201X-201X)	Arch 633 (4) <i>History and Theo. Of Sustainable Design, ()</i> <u>Grade:</u>	Arch 617 (4) <i>Design and Planning Theory, ()</i> <u>Grade:</u>	Arch 678 (4) <i>Adv. Research Meth. in Sustainable Design, ()</i> <u>Grade:</u>
	Arch 620 (4) <i>Sustainable Design: Research Methods I ()</i> <u>Grade:</u>	Arch 601 (2) <i>Research, ()</i> <u>Grade:</u>	Arch 695 (4) <i>Proposal Develop. ()</i>
	Arch 601 (4) <i>Research, ()</i> <u>Grade:</u>	Arch 507 (4) <i>The Ecology of Bldg. Materials,</i>	Arch 602 (1) <i>Supervised College Teaching,</i>
	Arch 510 (4) <i>Passive Heating and Cooling, ()</i> <u>Grade:</u>		Psy 558 (4) <i>Judgment and Decision Making, ()</i>
			PPPM 522 (1) <i>Grant Proposal Writing, ()</i>
Credits	16	10	14

* Indicates that the course was only offered for a P/NP grade

EXAMPLE	Year 1 Completed	To be Completed	Total Required
Category 1: Research & Invest.	18	6	24
Category 2: Inside Focus Area	16	6	22
Category 3: Outside Focus Area	4	12	16
Supervised College Teaching	1	3	4
Total	39*	27	66

*I also took a 1-credit PPPM Grant Writing course that does not appear to satisfy any of the specific program requirements for my degree.

3. *Dissertation Committee*

4. *Overview of Research Progress*

5. *Overview of Teaching & Research Fellowship Activities*
6. *Overview of Professional Activities*

II. Progress in the Next Twelve Months:

1. *Program Requirements to be Completed*

	Fall	Winter	Spring
Year 2 (201X-201X)			
Year 3 (201X-201X)			
Year 4 (201X-201X)			

2. *Goals for Research/Dissertation*
3. *Publication Submissions*
4. *Professional Conferences*
5. *Funding for Next Year*
6. *Areas of Expertise/Understanding and Skills*

III. Career Goals and Progress:

1. *Two Long-term Career Goals*
2. *Next Step Toward Career Goals/Desired Position*
3. *Factors Driving Career Goals*
4. *Taking Steps to Enhance Abilities to Attain Goals*

IV. Final Discussion Points:

1. *Assistance, Resources, and Mentoring Needed*
2. *What Your Advisor Can Continue to Do to Support Your Goals*
3. *What Your Advisor Can Do Differently to Support Your Goals*
4. *What You Can Continue to Do to Achieve Goals*
5. *What You Can Do Differently to Achieve Goals*

V. Advisor Comments: to be discussed with advisee and placed in student file

Student and advisor have reviewed this annual report and a copy will be placed in the student file.

Student Signature

Date

Advisor Signature

Date

Name _____

Ph.D. in Architecture Program

Date _____

DISSERTATION ABSTRACT
(1-page, due by Monday of week 10)

Fall	Winter	Spring	Fall
Dissertation Abstract	Dissertation Prospectus	Comprehensive Exam	
	Dissertation Abstract	Dissertation Prospectus	Comprehensive Exam

This abstract is a step-along-the-way to the dissertation prospectus. The abstract will briefly address the topic of interest, a preliminary problem statement and anticipated mode of inquiry. Students are encouraged to submit in-progress drafts of the abstract, to their faculty advisor for comment. Students intending to take their comprehensive examinations in Spring term of their second year in the PhD program are required to submit a 1-page (350 words maximum, excluding title and references) abstract of the prospectus by Monday of week 10 of the Fall term of their second year to their advisor for approval. The actual abstract may be printed and attached to this cover page.

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Abstract Approved

Modify Approach

Revise Abstract

Student Signature

Date

Advisor Signature

Date

The faculty advisor will send a memo to the student and to the PhD director within one week with their recommendation.

Name _____

Ph.D. in Architecture Program

Date _____

COMPREHENSIVE EXAM COMMITTEE NOMINATION (Submit to PhD Director by Week 10)

Fall	Winter	Spring	Fall	Winter
Dissertation Abstract	Dissertation Prospectus	Comprehensive Exam	Dissertation Proposal	
	Dissertation Abstract	Dissertation Prospectus	Comprehensive Exam	Dissertation Proposal

For students intending to complete the comprehensive examinations in their second year, the process leading to the examinations, and subsequently to the adoption of a dissertation proposal and committee, formally begins during Fall term of the second year. After the program of study is approved, the student, in consultation with the PhD program director, nominates an examination committee, which must be approved by the PhD committee. The examination committee will administer both the written and oral examinations. The faculty advisor can serve as either the chair of the examination committee or as dissertation chair but not both. Prior to nomination, students should secure permission to nominate committee members. To the extent feasible, students should include on the committee faculty whom they wish to serve on their Dissertation committee. The list of nominated faculty must be submitted in writing to the PhD committee, via the PhD director by Monday of week 10 of Fall term.

Committee Nomination:

Committee Member #1 (suggested chair)	Department	email address
Committee Member #2	Department	email address
Committee Member #3	Department	email address
Committee Member #4	Department	email address
Committee Member #5	Department	email address

Student Signature	Date
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Faculty Advisor Signature	Date
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The PhD committee will review the list and accept it or request changes within five working days. The PhD director will then send a formal request to each proposed committee member, including a description of the comprehensive examination process, and a proposed meeting time for the first examination committee meeting during week 7 of Winter term.

Name _____

Ph.D. in Architecture Program

Date _____

DISSERTATION PROPOSAL – COMMITTEE APPROVAL

The student is expected to submit a dissertation proposal during the term following the passage of the comprehensive examinations, and must submit the proposal within three regular terms of the exam. Each member of the dissertation committee must approve the student’s formal written dissertation proposal following a scheduled public proposal presentation before the student undertakes the dissertation

Candidate name: _____

Dissertation proposal title: _____

Proposal presentation date: _____

Dissertation Committee: signature indicates approval

Committee Member #1 (Chair) NAME	Department	email address
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Committee Member #2 (Institutional (UO) Representative) NAME	Department	email address
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Committee Member #3 (Core Member) NAME	Department	email address
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Committee Member #4 (Core Member) NAME	Department	email address
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Student Signature

Date

Name/ID# _____

Ph.D. in Architecture Program

Date _____

ADVANCEMENT TO CANDIDACY FORM

Return the completed form to the Department Academic Coordinator

Then apply online to Advance to Candidacy: <https://gradweb.uoregon.edu/main/mainStudent.asp>

Email: _____ Advisor: _____

Current Mailing Address: _____

City: _____ State: _____ Zip: _____

ADVANCEMENT REQUIREMENTS

Oral Examination

Chair: _____

Committee Members: _____

Exam Date: _____ Date Approved: _____

The Academic Coordinator to place a copy of the Oral Exam outcome and comments the student file.

Written Comprehensive Examination

Committee Members: _____

Exam Date: _____ Date Approved: _____

The Academic Coordinator will place a copy of the Written Comp Exam outcome and comments in the student file .

Advisor signature: _____ Date: _____

During the Graduate School's on-line Advancement process you will be asked about your undergraduate and graduate studies other than Architecture.