

# 6 • GRADUATE SCHOOL OF ARCHITECTURE

## General Information

The academic programs of the School of Architecture encompass the broad range of concerns, disciplines, and sensitivities expressed in Thomas Jefferson's timeless design for the University, his "academic village," which is widely considered to be one of the most significant achievements of American architecture.

Four distinct, yet increasingly interrelated, departments provide a rich setting for professional education. Architecture and landscape architecture seek to integrate the intellectual and pragmatic aspects of their disciplines in the belief that design skills must be responsive to cultural, historical, and physical context as much as to functional need. Architectural history aims to develop an awareness of the value of the past. Urban and environmental planning addresses community sustainability and the balance between environment, economy, and social equity. The Common Course (SARC 600), a course required of graduate students in all departments, explores themes common to architecture, architectural history, landscape architecture, and urban and environmental planning. In addition to this and other courses regularly offered in each department, the curricula provide ample interdisciplinary opportunities for the exploration of such diverse contemporary issues as urbanism, energy conservation, social equity, environmental protection, preservation, and adaptive re-use.

The School of Architecture offers four graduate programs leading to the Master of Architecture, the Master of Landscape Architecture, the Master of Architectural History, and the Master of Urban and Environmental Planning. In conjunction with the Graduate School of Arts and Sciences, it also offers a Doctor of Philosophy in the History of Architecture. The programs are accredited by the National Architectural Accrediting Board, the Landscape Architecture Accreditation Board, and the Planning Accreditation Board; and the school holds memberships in the Collegiate Schools of Architecture, the Association of Collegiate Schools of Planning, the Council of Educators in Landscape Architecture, the National Council for Preservation Education, the Society of Architectural Historians, and the National Trust for Historic Preservation. In addition to the graduate degree programs, the school offers two interdisciplinary programs of study, one leading to the Certificate in Historic Preservation and the other to the Certificate in American Urbanism.

The full-time faculty numbers about 45, augmented by 20 to 30 visiting lecturers and critics from this country and abroad who bring to students their varied perspectives and wide-ranging experience. The student body averages approximately 530 students, of whom about 330 are undergraduates, and the remainder are graduate students.

The Thomas Jefferson Foundation Professorship in Architecture has been funded since 1965 by an annual grant from the same foundation that has guided the restoration and preservation of Monticello, the home of Thomas Jefferson. The foundation also awards an annual medal and honorarium to a practitioner or teacher of international distinction and has established two fellowships that are awarded annually to outstanding graduate students in the School of Architecture.

The Institute for Environmental Negotiation, established in 1981, is affiliated with the Department of Urban and Environmental Planning and has become a major resource for the resolution of land-use and environmental conflicts. In addition, the institute awards three or four fellowships each year that provide graduate students with training and experience in negotiation and consensus building.

Mr. Jefferson's legacy seems as appropriate and alive today as it did in 1819 when the University was founded; and it is one of the imperatives of that legacy, and a central educational aim of this school, that students understand their culture as well as their profession. Since we expect to play major roles in the analysis, planning, design, development, and protection of the physical environment,

nationally and internationally, we are charged with that most difficult of tasks: the development of "the whole person," one who understands how a craft is connected to a society, who appreciates the larger context of life, and who seeks elegant and practical approaches to its ever-changing needs. Jefferson sought "useful knowledge" and was able to fashion that knowledge artfully. We take that as our tradition also. Seen in this light, "profession" is raised to the level of art, and when that art serves life, lasting culture results.

## Address

Graduate School of Architecture  
Campbell Hall  
P.O. Box 400122  
University of Virginia  
Charlottesville, VA 22904-4122  
Admissions: (434) 924-6442  
[www.virginia.edu/arch/](http://www.virginia.edu/arch/)

## Facilities

Campbell Hall, the School of Architecture building, was completed in 1970 and is part of a complex of buildings forming a Fine Arts Precinct that also includes the Department of Art, the Department of Drama, and the Fiske Kimball Fine Arts Library. Campbell Hall provides well-equipped studio work areas, exhibition spaces, lecture halls, and seminar rooms. The school has two computer-graphics and computer-aided design laboratories with high-resolution graphics. These facilities support software applications in computer aided design, GIS digital mapping and modeling, site analysis, image processing, rendering, animation, structural analysis, lighting analysis, energy analysis, statistics, word processing, spreadsheet, and other areas. They also contain UNIX, Macintosh, and IBM computers with Internet access and maintain digital voice and video links with other research laboratories in the United States and Europe. The design studio space has network connections for individual computers. Other research support facilities include digital modeling laboratories, a woodworking shop, and a photography darkroom.

The Fiske Kimball Fine Arts Library, a branch of the University of Virginia Library system, serves the School of Architecture, the Department of Art and Art History and the Department of Drama. The collections include 155,000 volumes, including technical reports, videos, CD-ROMs, and other electronic resources. We also have an image collection of 200,000 slides and a growing digital image collection. The collections cover all aspects related to architecture, landscape architecture, architectural history, urban and environmental planning, and the visual and performing arts. The Fine Arts Library provides patrons with access to all University Library resources, including government documents, maps, rare books and manuscripts, many other online resources, as well as a gateway to the Internet. Special emphasis is placed on teaching students and faculty to conduct research utilizing online resources. Reference services are provided to the entire University community and to practitioners throughout the Commonwealth and the nation.

## Student Honors and Awards

Both the school and professional organizations from the fields of architecture, architectural history, landscape architecture, and urban and environmental planning recognize outstanding achievements with the following honors and awards.

**The Stanley and Helen Abbott Award** is awarded by the faculty of the Department of Landscape Architecture to graduating students in that department for outstanding promise in the field of landscape architecture.

**The Alpha Rho Chi Medal** is awarded annually to the graduating student in the Department of Architecture who has shown leadership ability, has performed willing service for the school

and department, and who demonstrates promise of real professional merit through his or her attitude and personality.

**The American Institute of Architects School Medal** is awarded annually to the outstanding graduate student in the Department of Architecture. The award is supported by an endowment fund established in 1914 in the estate of the late Henry Adams.

**The American Planning Association Award** is presented annually to the graduate and undergraduate students exhibiting outstanding achievement in urban and environmental planning.

**The American Institute of Certified Planner Award** is presented annually to a graduate and undergraduate student demonstrating outstanding promise as a professional planner.

**The Virginia Citizens Planners Association Award** is presented annually to a graduate and undergraduate student exhibiting the ideal of service to the public interest through planning.

**The American Society of Landscape Architects Certificates of Honor and Merit** are awarded to outstanding graduating students in the Department of Landscape Architecture.

**The Architectural History Faculty Book Award** is awarded annually to a graduating student from the Department of Architectural History.

**The Clark Group Construction, Inc. Award** is given each year to a student exhibiting overall achievement and professional promise in the fields of construction and building technologies.

**The Paul S. Dulaney Conservation and Preservation Award** is given each year to an outstanding student in urban and environmental planning who has contributed to the field through outstanding academic work.

**The Benjamin C. Howland Traveling Fellowship** is awarded each year to a graduating student from the Department of Landscape Architecture.

**The Betty Leake Service Award** is awarded annually to a graduating student from the Department of Architectural History.

**The Sarah McArthur Nix Traveling Fellowship** is awarded to a third-year undergraduate or graduate student from the Department of Architecture for a summer of study/travel in France.

**The Duncan T. McCreia Memorial Fund** awards a prize to an undergraduate student who has demonstrated academic achievement and concern for spiritual values.

**The Frederick Doveton Nichols Award for Outstanding Academic Achievement** is made each year for outstanding academic achievement to a graduate and an undergraduate student in the Department of Architectural History.

**The Carlo Pelliccia Traveling Fellowship** for study in Italy is awarded each year.

**The Robert L. Plavnick Outstanding Student Award** is presented to an outstanding urban and environmental planning student in the Northern Virginia Planning Program.

**The Lori Ann Pristo Award** is made each year to the graduate student in architecture with the highest grade point average.

**The RTKL Fellowship** is awarded each year to a graduate architecture student.

**The Sean Steele-Nicholson Memorial Award**, in memory of Sean Steele-Nicholson (BS Arch '91), is presented each year at graduation to a student who has exhibited overall excellence in design and scholarship and an enthusiasm, joy, and wonder for architecture, coupled with the ability to instill these qualities in others.

## Financial Aid Sources

Some of the available sources of financial aid within the School of Architecture are:

DuPont Fellowship for Graduate Studies

Governor Fellowships

IEN Graduate Assistantships

Graduate Student Assistantships

Work-Study Fund

Special Student Aid

Thomas Jefferson Fellowships

Arts and Sciences Graduate Fellowships (Ph.D. only)

## Scholarships and Fellowships:

Anonymous Architecture Scholarship

Boniface Graduate Student

Joseph Bosserman Fellowships

Charles Brown Memorial Scholarship

Center for Palladian Studies Scholarship

Bevin and Vito Cetta Endowed Fellowship

Clark Construction Group Scholarship

Colonial Dames Scholarship in Historic Preservation

William D. Darden Memorial Scholarship

Janet Carlson Duchon Scholarship

Paul S. Dulaney Memorial Fund

Bessie F. and Ernest L. Gilliland Endowed Scholarship

Joseph W. Gold Memorial Scholarship

Ella R. and Milton Grigg Endowed Scholarship

Jefferson C. and Catherine F. Grinnalds Scholarship

Frederic Lord Holloway Endowed Scholarship

Peter R. Kutscha Endowed Memorial Scholarship

James E. Pate Memorial Scholarship

Dana H. Rowe Memorial Scholarship

Scribner Messer Brady Wade Graduate Student Scholarship in Architecture

Lambert Woods Architects Scholarship.

## Programs and Degrees Offered

Candidates for a degree in one of the four graduate curricula offered in the School of Architecture must hold an approved baccalaureate degree from an accredited college or university.

Applicants whose previous course work does not include the equivalent of courses listed under the "admission" paragraph for any of the described degree programs must complete those courses before enrollment or, with permission, while enrolled in their respective graduate program.

An explanation of the course numbering system is given in the How to Read Course Listings section of this *Record*.

Inquiries concerning degrees should be addressed directly to the Dean of the School of Architecture.

**Grading System** The following letter grade symbols are used for grading graduate students in the Graduate School of Architecture: A, A-, B+, B, B-, C, F, S, U. Graduate School of Architecture: students may take undergraduate courses on a CR/NC basis, but those courses may not be offered toward a graduate degree.

**Academic Good Standing** The lowest acceptable grade for a student in the Graduate School of Architecture is a B-. Students who earn more than two grades lower than a B- are required to leave the program in which they are enrolled. Students failing a studio cannot continue in the studio sequence until they have successfully passed the course. Two failing grades in the same or different studios may result in the student being asked to leave the program.

## Ownership of Student Works

The School of Architecture reserves the right to retain student course work for purposes of exhibition and/or publication with appropriate credits. Teachers who wish to retain student work for their own purposes must gain the student's consent and provide adequate documentation of the work for the student.

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## Applications

1. Deadline for all applications to the Departments of Architecture, Architectural History, and Landscape Architecture is January 15; for the Department of Urban and Environmental Planning, it is February 1. All admissions materials should be sent to the Graduate Admissions Office, School of Architecture, University of Virginia, Campbell Hall, P.O. Box 400122, Charlottesville, VA 22904-4122. For information about applying for admission to the Ph.D. program in architectural history, see the description of that program given below.
2. A non-refundable application fee of \$40 must accompany the application. Make the check or money order payable to: UVA, School of Architecture. Foreign checks accepted in U.S. dollars only.
3. If an applicant wants to apply to more than one department he or she must fill out an application, pay the application fee for each department, and submit supporting documents for each application.
4. The financial aid form serves as the basis for scholarships awarded by the School of Architecture. Other financial assistance in the form of loans and part-time employment is administered by the Office of Financial Aid to Students and must be applied for separately. See chapter 3.
5. Graduate Record Examination (GRE) scores are required.
6. A non-refundable deposit of \$250, made payable to the University of Virginia School of Architecture, is required at the time of acceptance. This deposit is applied to the student's fees upon enrollment.

## Master of Architecture

**Admission** The Master of Architecture Program attracts a diverse range of students with undergraduate degrees in liberal arts as well as architecture. After an introductory summer session, students with liberal arts degrees typically complete their courses in six semesters, while those with pre-professional degrees frequently gain advanced standing. A two-semester Master of Architecture Program, directly tailored to the interests of each student, is available for those with an undergraduate professional degree in architecture. Students who wish to obtain the Master of Architecture degree should have at least a 3.0 cumulative grade point average with a 3.5 average in design studios. Admission to the Master of Architecture programs is extremely competitive.

**Curriculum** The Master of Architecture (M.Arch.) curricula emphasize strong foundation studies in design with support courses in architectural history and theory, building, and construction. To gain broader understanding of the relationships within and parallel to the field of architecture, students take courses in the Departments of Architectural History, Landscape Architecture, and Urban and Environmental Planning. The Department has a strong emphasis on issues of architectural pedagogy, and upper level graduate students are encouraged, through an optional teaching elective, to expand their knowledge by serving as teaching assistants to undergraduate students in design, theory or technology courses.

**Accreditation** In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. Please note that the pre-professional undergraduate degree is not, by itself, recognized as an accredited degree.

The University of Virginia's Path A (for students without pre-professional degrees) and Path B (for students with rigorous pre-professional degrees) Master of Architecture programs received five-year terms of accreditation in 1998. These programs will be reviewed again in 2003. The Bachelor of Science in Architecture, by itself, is not an accredited degree.

## M.Arch. Path A Curriculum

This program allows students without pre-professional undergraduate degrees (e.g., B.S. in Architecture) to obtain a first professional degree in a minimum of three years plus an initial summer session. Applicants must hold a baccalaureate degree from an accredited college or university. Prior to enrollment, it is required for students to have completed a calculus and physics course or the equivalent.

After the first year, each student's studio work is evaluated to determine progress and ability to continue in the program. In the spring of their second year, students initiate a comprehensive design project that explores detailed design development of a small institutional or commercial building. Issues of programming, building structure, materials and assembly, detailing and life safety are explored in conjunction with ARCH 848 and ARCH 823.

### Summer First Year

ARCH 501	Architectural Design .....	3
ARCH 502	Architectural Design .....	3
	<i>Prerequisite:</i> ARCH 501	
ARCH 505	Architectural Graphics .....	2
ARCH 544	Computer Graphics and Design Application .....	2
	.....	10

### Semester 1 Fall First Year

ARCH 601	Architectural Design .....	6
	<i>Prerequisite:</i> ARCH 502	
ARCH 508	Architectural Theory and Analysis .....	3
SARC 600	The Common Course .....	3
ARCH 523	Materials and Assembly .....	3
	.....	15

### Semester 2 Spring First Year

ARCH 602	Architectural Design .....	6
	<i>Prerequisite:</i> ARCH601	
AR H 503	History of Modern Architecture .....	3
ARCH 554	Architecture Analysis: Key Buildings of Modernism ...	3
ARCH 524	Introduction to Structural Design .....	4
	.....	16

### Semester 3 Fall Second Year

ARCH 701	Architectural Design .....	6
	<i>Prerequisite:</i> ARCH602	
ARCH 721	Structural Design for Dynamic Loads .....	3
L AR 533	Sites and Systems .....	3
	Open Elective.....	3
	.....	15

### Semester 4 Spring Second Year

ARCH 702	Architectural Design Comprehensive Studio .....	6
	<i>Prerequisite:</i> ARCH701	
ARCH 525	Environmental Control Systems and Lighting .....	4
ARCH 848	Professional Practice .....	3
	Open Elective.....	3
	.....	16

### Semester 5 Fall Third Year

ARCH 801	Architectural Design Option Studio .....	6
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	<i>Prerequisite:</i> ARCH702	
AR H	AR H Elective .....	3
ARCH 880 <sup>(1)</sup>	Teaching Experience .....	3
	Open Elective.....	3
	Open Elective.....	3
	.....	18

### Semester 6 Third Year

ARCH 802 <sup>(2)</sup>	Architectural Design Option Studio .....	6
	<i>Prerequisite:</i> ARCH801	
ARCH 823	Design Development .....	4
ARCH	Building Elective.....	3
	Open Elective.....	3
	.....	16
Degree Total		106

### Note

- (1) All graduate students must take either ARCH 880 (Teaching Experience, 3 credits), or ARCH 782 (Independent Study, 3 credits), prior to graduation. ARCH 880 involves serving as a teaching assistant for an undergraduate class, with teaching assignments coordinated by the chair. ARCH 782 involves independent research on a topic chosen by the student in consultation with a faculty member. Students interested in pursuing the thesis option are encouraged to take ARCH 782 in the summer before their final year.
- (2) Students may pursue a thesis in lieu of ARCH 802. Thesis students must take ARCH 897 (Thesis Research, 3 credits) and get approval from the chair.

## M.Arch. Path B Curriculum

Students admitted to this program have pursued a rigorous pre-professional program at the undergraduate level. The curriculum follows the prescribed core of foundation studies - history, land, and building. Students are encouraged to develop a planned sequence of electives either independently or through one of the certificate programs. Independent scholarship is encouraged through the thesis option. In the spring of their first year, students initiate a comprehensive design project that explores detailed design development of a small institutional or commercial building. Issues of programming, building structure, materials and assembly, detailing and life safety are explored in conjunction with Arch 848 and Arch 823.

### Semester 1 Fall First Year

ARCH 701	Architectural Design .....	6
SARC 600	The Common Course .....	3
ARCH 721	Structural Design for Dynamic Loads.....	3
	Open elective .....	3
	.....	15

### Semester 2 Spring First Year

ARCH 702	Architectural Design Comprehensive Studio .....	6
	<i>Prerequisite:</i> ARCH 701	
ARCH 554	Architectural Analysis: Key Buildings of Modernism ...	3
ARCH 848	Professional Practice .....	3
ARCH 525	Environmental Control Systems and Lighting.....	4
	.....	16

**Semester 3 Fall Second Year**

ARCH 801	Architectural Design Studio .....	6
	<i>Prerequisite:</i> ARCH 702	
AR H	Architectural History elective .....	3
ARCH 880 <sup>(1)</sup>	Teaching Experience .....	3
ARCH	Building elective .....	3
	Open elective .....	3
	.....	18

**Semester 4 Spring Second Year**

ARCH 802 <sup>(2)</sup>	Architectural Design Option Studio/Thesis .....	6
	<i>Prerequisite:</i> ARCH 801	
ARCH 823	Design Development .....	4
ARCH ____	Architecture elective.....	3
	Open elective .....	3
	.....	16
Degree Total		65

**M.Arch Path C Curriculum***Post-Professional Degree*

This curriculum is for those with a professional undergraduate degree in architecture (B.Arch.). The program provides post-professional degree students an opportunity to undertake more advanced interdisciplinary studies in architecture. These self-initiated studies are supervised by faculty members and draw on the resources of the School of Architecture and the University. Because of the individualized nature of this program, the applicant is encouraged to visit the School of Architecture for an interview. Each student develops a specific curriculum in consultation with the chair. The duration of study may be extended beyond one year with permission of the chair. This degree is not accredited by NAAB. International students interested in gaining licensure in the United States should apply to the Path B program.

**Semester 1**

ARCH 801	Architectural Design Option Studio .....	6
	Open elective .....	3
	Open elective .....	3
	Open elective .....	3
	.....	15

**Semester 2**

ARCH 802	Architectural Design Option Studio .....	6
	<i>Prerequisite:</i> ARCH 801	
ARCH	Architecture elective.....	3
	Open elective .....	3
	Open elective .....	3
	.....	15
Degree Total		30

**Certificate Programs**

Certificate Programs in Historic Preservation and American Urbanism are open to graduate students enrolled in Paths A, B, and C. Admission is subject to the approval of the chair of the Department of Architecture and the director of the program. Students must also meet all requirements for admission, and completion of, the Master of

Architecture Program. Students are expected to meet the program requirements within the normal curricula of each path with the exception of Path C, which takes an extra semester.

**Historic Preservation Certificate**

**Program** Students wishing to enter the Historic Preservation Certificate Program must be admitted to one of the four graduate departments in the School of Architecture. In order to ensure proper academic advising and program coordination, students interested in the Historic Preservation Program should attend the program meeting at the start of the Fall semester. Upon arriving at the Architecture School they should also file a program participation form with the Architecture School's registrar. Students who complete the required 21 credits of preservation course work receive a Certificate in Historic Preservation, in addition to their department's master's degree. There are individual courses that fulfill the requirements of the historic preservation certificate curriculum that also fulfill requirements within the architecture department curriculum. For example, the Community Preservation Studio (6 credits) counts as one of the studios required for the fulfillment of the architecture department program. Thus, students normally complete the course work for the historic preservation certificate during the same period in which they complete their departmental program.

**American Urbanism Certificate**

**Program** This program is open to qualified degree candidates who wish to engage in a focused study of the issues and questions central to the interpretation of the American urban landscape and to the creation of new paradigms of urban design. The program's curriculum is intentionally flexible to provide students the opportunity to develop individual programs of study with the review and guidance of the program director. Because of the special nature of the program interested candidates are strongly advised to arrange an interview with the program director.

**Dual Degree Programs** The multi-disciplinary structure of the School of Architecture offers unique opportunities for students to pursue dual graduate degrees. Dual degrees are offered with Architectural History, Landscape Architecture and Urban and Environmental Planning. The dual degree depends upon admission to each program under the appropriate requirements. Students with prior undergraduate degrees in Architecture can expect to earn a dual degree in Architecture and Landscape Architecture within three academic years. Path A students can expect to earn a dual degree in four academic years. Students interested in pursuing a dual degree should consult with the Department Chair.

**Programs Abroad** Architecture students may, with approval, spend a semester in one of the programs abroad when offered.

**Master of Landscape Architecture**

**Admission** Students from a wide variety of academic backgrounds, both with and without prior study in landscape architecture, are admitted to this graduate degree program.

Students without background study, who constitute the majority of the student body, follow the Path A curriculum. Normally, they complete the degree requirements in six semesters, plus a prerequisite summer session studio taken before the first fall semester. Prior to enrollment, students are encouraged to take drawing and ecology courses.

Students with degrees in architecture and landscape architecture can be granted advanced standing and may complete the degree requirements in four semesters. Applicants with undergraduate degrees in Architecture undertake the Path A advanced standing program. Applicants with professional undergraduate degrees in landscape architecture (B.L.A. or B.S.L.A.) follow the Path B program.

**Curriculum** This graduate-level professional degree program prepares graduates for professional work in private offices, teaching, and public service. At the core of the curriculum is the design studio. Design invention is grounded in the language of the discipline through an understanding of its relationship to architecture and the study of landscape history, theory and ecology. The design of the landscape embodies a vision of public life and an attitude towards the natural world. It brings together the study of natural systems with the exploration of social, ethical, and cultural issues. It is also, fundamentally, about making and building, grounded in an understanding of materials and processes. Essential to the design process is understanding how to build a site and shape the land. This understanding is developed through a rigorous "ecology and technology" sequence of courses in plants, landform, detailing, site engineering, and digital media, all of which stress the importance of giving form to conceptual ideas and values. A variety of elective seminars addresses special topics in landscape architecture.

During the final semester, students choose from three studio options: independent, landscape architecture, or an interdisciplinary studio in architecture, urbanism.

**Path A Curriculum**

The Path A program allows students with liberal arts degrees to obtain a first professional degree in landscape architecture. This requires three years plus an eight-

week introductory summer session. Each semester's work consists of a design studio with supporting history, theory, construction, and natural systems courses.

A total of eighteen elective credits are required. Six of those credits (two courses) must be taken in the Department of Landscape Architecture. The remaining credits may be taken in any department of the University. Since students come from different backgrounds and experiences, electives can be distributed either to give students exposure to the different fields related to landscape architecture, or to develop an area of expertise, such as design theory, historic preservation, ecological design and planning, or urbanism. Students may undertake an independent study with a faculty member as one of their electives, but those wishing to take more than one independent study must petition the faculty to do so.

In the final year, students may elect to undertake an independent studio. If so, L AR 821 (Research Methods) must be taken in the fall semester in order to develop a thesis, identify a faculty advisor(s), and prepare a theoretical basis for the spring term independent studio. L AR 821 counts as one of the six elective courses.

**Summer Session**

LAR 501	Introduction to Landscape Architectural Design I	.....3
LAR 502	Introduction to Landscape Architectural Design II	.....3
LAR 503	Landscape Drawing and Representation	.....2
LAR 544	Computer Graphics and Design Application	.....2 .....10

**First Year**

**First Semester**

LAR 601	Landscape Architectural Design I	.....6
	Site reading/Interpretation + Digital workshops	
LAR 537	Plants and Environment I	4
LAR 533	Sites + Systems	.....3
	Intro to reading and analyzing sites (watershed as unit of study)	.....
SARC 600	Common Course	.....3 .....16

**Second Semester**

LAR 602	Landscape Architectural Design II	.....6
	City reading/interpretation + landscape/architecture + Design detail/materials	
LAR 538	Plants and Environment II	4 .....
LAR 534	Earth Work	.....4
LAR 512	Landscape Architectural History	.....3 .....17

**Second Year**

**First Semester**

LAR 701	Landscape Architectural Design III	.....6
	Urban Landscape: Systems + Settlements	
LAR 733	Site Assembly I	.....2
	Materials and detailing	.....
LAR 735	Site Work I	.....2
LAR 514	Theories of Modern Landscape Architecture	...3
ARCH 541	CADD	.....3 .....15

**Second Semester**

LAR 702	Landscape Architectural Design IV	.....6
	Landscape Reclamation	
LAR 734	Site Assembly II	.....2
LAR 736	Site Work II	.....2
LAR 732	Regenerative Technologies Elective I	2 .....3 .....15

**Third Year**

**First Semester**

LAR 801	Landscape Architectural Design V, Or Option Studio	.....6
	Electives II-IV	.....9
	Or Electives II-III	.....6, <b>and</b>
LAR 821	Research Methods if doing a design thesis	.....3 .....18

**Second Semester**

LAR 802	Landscape Architectural Design VI	.....6
	Or LAR 804 Independent Thesis Studio, or ARCH 802 Option/Interdisciplinary Studio	
LAR 832	Contract documents and Professional Practice	.....4
	Elective V-VI	.....6 .....16

Degree Total 105

ELECTIVES: Six electives/18 credits required, two courses/6 credits of which must be in LAR dept

**Path A Advanced Standing Curriculum**

Students with accredited baccalaureate or masters degrees in architecture are admitted with advanced standing and generally complete 65 hours of course work for the degree, depending upon the extent to which technical courses in landscape architecture were included in their architectural studies. The following program is representative, but may vary according to individual interest and prior work.

**First Year**

**First Semester**

LAR 701	Landscape Architectural Design III	.....6
	Urban Landscape: Systems + Settlements	
LAR 537	Plants and Environment I	4 .....
LAR 533	Sites + Systems	.....3
SARC 600	Common Course	.....3 .....16

**Second Semester**

LAR 702	Landscape Architectural Design IV	.....6
	Landscape Reclamation	
LAR 538	Plants and Environment II	.....4
LAR 534	Earth Work	.....3
LAR 512	Landscape Architectural History	.....3 .....16

**Second Year**

**First Semester**

LAR 801	Landscape Architectural Design V	.....6
LAR 514	Theories of Modern Landscape	.....3
LAR 731	Planted Form	.....2
LAR 735	Site Work I	.....2
	Elective	.....3 .....16

**Second Semester**

LAR 802	Landscape Architectural Design VI	.....6
	Or Independent Thesis Studio, Or Interdisciplinary Studio	.....
LAR 736	Site Work II	.....2
LAR 732	Regenerative Technologies Elective	.....2 .....6 .....16

*Eco-Tech Electives* Three-four credits, from the following courses

LAR 544	Landscape Visualization-3D digital terrain modeling	3
LAR 733	Site Assembly I	2
LAR 734	Site Assembly II	2
LAR 832	Contract documents and Professional Practice	4
	Working drawings and specs + PP lectures	

*History/Theory* Three credits required in LA history/theory (20s-30s course number)

*Elective* Offerings vary per semester

*Studio* Four studios required: LAR 701 and 702 plus a third LAR studio, chosen in consultation with advisor. One studio may be LAR 804 Independent thesis studio, or an interdisciplinary studio.

Degree Total 65

## Path B Curriculum

Students with accredited baccalaureate degrees in landscape architecture are admitted with advanced standing and normally complete the degree in four academic semesters. Their programs are tailored to their individual design and research interests. If an independent studio is pursued, it must be preceded by L AR 821 (Research Methods). The following program is representative but may vary according to individual interest and prior course work. Students are encouraged to enroll in courses in all departments of the school and in related fields of study across the University.

### First Year

#### First Semester

LAR 701	Landscape Architectural Design III .....	6
	Urban Landscape: Systems + Settlements	
LAR 514	Theories of Modern Landscape .....	3
SARC 600	Common Course .....	3
Elective	.....	3
	.....	15

#### Second Semester

LAR 702	Landscape Architectural Design IV .....	6
	Landscape Reclamation	
LAR 732	Regenerative Technologies2	
LAR 736	Site Work II .....	2
	Electives .....	6
	.....	16

### Second Year

#### First Semester

L AR 801	Landscape Architectural Design V .....	6
	Electives .....	9
	.....	15

#### Second Semester

LAR/ARCH	802 LAR or ARCH Interdisciplinary Option studio .....	6
	Or	
LAR 804	Independent Thesis Studio.	
LAR 832	Contract documents and Professional Practice .....	4
	Working drawings and specs plus PP lectures	
LAR Elective	.....	6
	.....	16

**Studios** Four studios required: two in LAR. Remaining studios may be an independent thesis, architecture, or an interdisciplinary studio.

**Electives** Eight electives: Two in LAR department; two may be independent studies with LAR faculty; four in any department in the university

Degree Total 62

## Special Programs

**Dual Degree Programs** The multi-disciplinary structure of the School of Architecture offers unique opportunities for students to pursue dual graduate degrees. These degrees are offered in Architecture and Urban and Environmental Planning, and Architectural History. The dual degree depends upon admission to each program under the appropriate requirements. Students interested in pursuing a dual degree should consult the chair of the Department of Landscape Architecture.

### Independent Studio and

**Interdisciplinary Options** The final semester of design course work provides the student with the opportunity to investigate an area of special interest through an independent studio, an interdisciplinary studio, or an advanced landscape architecture studio. If the student undertakes an independent studio in the spring term, it must be preceded by L AR 821 (Research Methods). Student work closely with a faculty advisor in the development of a thesis and the exploration of its design implications.

### Historic Preservation Certificate

**Program** Students wishing to enter the Historic Preservation Certificate Program must be admitted to one of the four graduate departments in the School of Architecture. In order to ensure proper academic advising and program coordination, students interested in the Historic Preservation Program should attend the program meeting at the start of the Fall semester. Upon arriving at the Architecture School they should also file a program participation form with the Architecture School's registrar. Students who complete the required 21 credits of preservation course work receive a Certificate in Historic Preservation, in addition to their department's master's degree. There are individual courses that fulfill the requirements of the historic preservation certificate curriculum that also fulfill requirements within the landscape architecture department curriculum. For example, the Community Preservation Studio (6 credits) counts as one of the studios required for the fulfillment of the landscape architecture department program. Thus, students normally complete the course work for the historic preservation certificate during the same period in which they complete their departmental program.

### American Urbanism Certificate

**Program** This program is open to qualified degree candidates who wish to engage in a focused study of the issues and questions central to the interpretation of the American urban landscape and to the creation of new paradigms of urban design. The program's curriculum is intentionally flexible to provide students the opportunity

to develop individual programs of study with the review and guidance of the program director. Because of the special nature of the program interested candidates are strongly advised to arrange an interview with the program director.

**Programs Abroad** Landscape Architecture students may, with approval, spend a semester in one of the programs abroad when offered.

**Accreditation** The Graduate Program in Landscape Architecture (M.L.A.) is accredited by the Landscape Architecture Accreditation Board.

## Master of Urban and Environmental Planning

**Admission** Students from a wide range of academic backgrounds are admitted to the Master of Urban and Environmental Planning degree program. Applicants with an accredited bachelor's degree in the social sciences, engineering, design, or liberal arts contribute to the vitality of the program and to the field of planning.

**Overview and Philosophy** The Master of Urban and Environmental Planning degree is designed to prepare students to become significant contributors as professional planners in a variety of public, private, and non-profit settings. The program is based on a "generalist with a specialty" model.

The requirements for the degree consist of 50 credits: 20 in the core generalist courses, 15 in a special concentration, 6 in planning application courses (one of these courses must be in the area of concentration), and 9 in open electives. Courses are selected from those offered in the department as well as those available through other departments in the School and University. Students earning dual degrees or who have transferred from other planning programs may warrant advanced standing and be able to complete the planning program in less than the normal two years. Students may take more than the minimum 50 credits if their schedules allow it.

One of the distinctive features of our program is our strongly felt concern for community sustainability. Sustainability is addressed in specific courses with that title, but sustainability also provides the underlying framework for virtually all of the department's courses. The title of our department is Urban *and* Environmental Planning. We believe it is necessary to consider both the urban and environmental aspects of a setting to address its issues, problems, and opportunities. We are as much concerned with the economy and issues of equity as we are with the environment and find it more useful to emphasize linkages than distinctions, although both are sometimes necessary. We hope to inspire our students to have the same enthusiasm we feel for addressing the plan-

ning needs of sustainable communities.

**The Core Courses Required of All Students**

SARC 600	The Common Course
PLAN 601	Planning Process and Practice
PLAN 604	Legal Aspects of Planning
PLAN 605	Methods of Planning Analysis
PLAN 607	Urban Theory and Public Policy
PLAN 609	Planning Theory and Practice

**Planning Application Courses** In addition to the above courses, all students must take at least two planning application courses (PLAC). A planning application course combines theory and application, emphasizing application through a project approach. These are listed each semester in the *Course Offering Directory*, with their subject matter rotating among land use planning, housing, community development, environmental impact analysis, social planning, transportation planning, neighborhood analysis, and other subjects.

**Planning Concentrations** While the core classes provide the basic curriculum, students meet with their advisors to plan a course of specialized study called Planning Concentrations (PCs). Their purpose is to guide the student in designing a coherent program with an individual focus. The Planning Concentrations listed below should not be viewed as mutually exclusive program compartments. Rather, they are umbrella categories that assist students in focusing their interests. Within these categories, individual students may develop specialties. The PCs overlap, combine, and reinforce each other, remaining flexible while suggesting the types of programs we emphasize at the University of Virginia.

**Housing and Community Development** This concentration stresses the issues of established communities, land reuse and redevelopment, and community and economic development. Housing is a key element in each. Different emphases are feasible depending upon whether one's interest is primarily physical, economic, or social. Opportunities are provided to explore land development and public/private development partnerships, and/or to concentrate on urban design and preservation planning. Community organization, social equity, and participatory aspects of communities are also important.

The foundation course for this concentration is PLAN 540.

**Environmental Management and Conservation** Planners who specialize in the environment perform functions such as assessing the impacts of land development on the biophysical environment and recommending policies to conserve the natural bases of life, air, water, land, energy,

and minerals. These individuals also develop plans for addressing the issues of sensitive settings, such as coastal, mountain, wetland, heritage, and special habitat areas. Environmental planning embraces many settings, ranging from urban environments to wilderness areas to agricultural ecosystems.

The foundation course for this concentration is PLAN 553.

**Land Use and Growth Management** As communities change or grow, decisions are made about the uses of land, about qualities desired in the physical environment, and about the location of development and the protection of open areas. Questions of public facilities and financial resources arise alongside issues of timing and adequacy. A wide range of tools have developed that are employed in land use and growth management planning. These include plans, regulations, tax and finance policies, as well as public service programs. Local land use and growth management activities are frequently linked with regional and state level concerns.

The foundation course for this concentration is PLAN 560.

**Historic Preservation Planning** Planners with a special interest in historic preservation work in numerous settings. They may be on the staff of a local planning agency, work closely with a historic architectural review board, develop the historic element for a comprehensive plan, prepare nominations for building or districts, or prepare strategies to take advantage of historic assets for economic development purposes. Planners also work for state offices of historic preservation, non-profit preservation advocacy groups, and private consultants. Many planners combine their interest in historic preservation with housing and community development or with land use and growth management. Students may opt to earn a Certificate in Historic Preservation and choose their courses accordingly, or they may select a more flexible course of study while completing this planning concentration.

The foundation course for this concentration is PLAN 530. The year-long community history sequence offered through the Department of Architectural History can also provide an appropriate starting point for this concentration.

**Student-Designed PCs** Although the four PCs described above permit a substantial degree of flexibility, students are also free to develop planning specialties outside these categories. Students might wish to develop specializations in urban design, transportation planning, or social program planning. Required course work depends on the individual's previous study.

**Internship** The internship is an approved ten-week assignment in an agency, firm, or

organization engaged in planning activities. It takes place during the summer between the first and second years of study, for which no course credit is given and no tuition is charged. Prior work experience may satisfy this requirement.

**Two-Year Program Summary**

A typical two-year program leading to the Master of Urban and Environmental Planning degree would follow this general pattern:

**First Year**

**First Semester**

SARC 600	The Common Course	.....3
PLAN 601	Planning Process and Practice.....	4
PLAN 607	Urban Theory and Public Policy.....	3
PLAN ____	Concentration course or elective .....	3
		.....13

**Second Semester**

PLAN 604	Legal Aspects of Planning...	3
PLAN 605	Methods of Planning Analysis .....	4
PLAN ____	Concentration course .....	3
PLAN ____	Elective.....	3
		.....13

**Summer Session**

Internship in a planning agency, organization, or firm (no credit)

**Second Year**

**First Semester**

PLAN 609	Planning Theory and Practice.....	3
PLAC ____	Applications course .....	3
PLAN ____	Concentration course .....	3
PLAN ____	Elective.....	3
		.....12

**Second Semester**

PLAC ____	Applications course in concentration.....	3
PLAN ____	Concentration course .....	3
PLAN ____	Concentration course .....	3
PLAN ____	Elective.....	3
		.....12

Degree Total 50

As many as six hours of credit may be gained by independent study for approved projects or work experience. These hours are granted only when the work or subject has been approved in advance by the faculty. Normally, the independent study credit hours include periodic faculty review, appropriate readings, and a final report in the form of an analytical paper or case study.

Students are encouraged to take courses throughout the School and University. The School of Law, the School of Engineering and Applied Science, the Darden Graduate School of Business Administration, and the Graduate School of Arts and Sciences all offer a variety of courses appropriate for degree requirements.

## Other Opportunities

**Advanced Standing** Graduates of accredited undergraduate planning programs will be considered for advanced standing in special cases. A minimum of 30 graduate credits, in addition to the undergraduate degree, must be completed at the University of Virginia. This must be constructed so that, combined with the undergraduate program, each of the requirements for the Master of Urban and Environmental Planning degree is met, including the core courses, planning application courses, planning concentration, and internship. The advanced standing opportunity is intended for students with strong undergraduate records and at least a 3.5 GPA in planning courses.

**Dual Degrees** These programs are available with the departments in the School of Architecture and various departments of the Graduate School of Arts and Sciences, including government and environmental science. Dual degree programs are also available with the School of Law, the Darden Graduate School of Business Administration, and the School of Graduate Engineering and Applied Science, and depend upon admission to each program under the appropriate requirements. These programs permit the joint use of credit to satisfy the requirements of each degree and shorten the time required for attaining both degrees. Interested students should consult the department chair.

**Programs Abroad** Planning students may, with approval, spend a semester in one of the programs abroad when offered.

**Institute for Environmental Negotiation** Negotiation, mediation, and other interactive and consultative problem solving approaches are being relied on with increasing frequency and effectiveness in planning and policy making and in the resolution of development controversies. The Institute for Environmental Negotiation of the Department of Urban and Environmental Planning is a major resource for the provision of these conflict resolution skills. The Institute sponsors visiting mediation practitioners, offers courses in negotiation skills and public involvement, and provides training opportunities through assistantships. The *Mediator*, newsletter of the institute, is available on the web at [www.virginia.edu/ien](http://www.virginia.edu/ien) upon request. No degree in negotiation or mediation is offered independent of the school's regular degree offerings.

**Historic Preservation Certificate Program** Students wishing to enter the Historic Preservation Certificate Program must be admitted to one of the four graduate departments in the School of Architecture. In order to ensure proper academic advising and program coordination, students interested in the Historic

Preservation Program should attend the program meeting at the start of the Fall semester. Upon arriving at the Architecture School they should also file a program participation form with the Architecture School's registrar. Students who complete the required 21 credits of preservation course work receive a Certificate in Historic Preservation, in addition to their department's master's degree. There are individual courses that fulfill the requirements of the historic preservation certificate curriculum that also fulfill requirements within the urban and environmental planning department curriculum. Thus, students normally complete the course work for the historic preservation certificate during the same period in which they complete their departmental program. For example, with the approval of the planning department chair, one of the two planning application course requirements may be satisfied by an appropriate preservation course.

**American Urbanism Certificate Program** This program is open to qualified degree candidates who wish to engage in a focused study of the issues and questions central to the interpretation of the American urban landscape and to the creation of new paradigms of urban design. The program's curriculum is intentionally flexible to provide students the opportunity to develop individual programs of study with the review and guidance of the program director. Because of the special nature of the program interested candidates are strongly advised to arrange an interview with the program director.

**Accreditation** The Graduate Program in Urban and Environmental Planning is accredited by the Planning Accreditation Board, sponsored jointly by the American Institute of Certified Planners and the Association of Collegiate Schools of Planning.

## Master of Architectural History

**Admission** Applicants must hold an approved baccalaureate degree from an accredited college or university. Admission to graduate study will normally require an average of B or better and a command of at least one foreign language. Candidates admitted to the program must, before beginning their work for the degree, have taken the equivalent of AR H 102 (Intro to Architectural History) and one semester of architectural design studio (ARCH 201). These prerequisites may be satisfied by taking AR H 112 and ARCH 204, or the equivalent, during the school's summer session. (Students do not normally enter the program in the spring semester, although this is permitted in special circumstances with approval of the chair.)

**Curriculum** The program's purpose is to equip the student with a sound background

in architectural history, including its principles and interpretation. The degree requires a minimum of 36 credit hours at the graduate level.

The degree requirements should be considered as a minimum core program. Architectural History is the primary vehicle for students who wish to obtain the Certificate in Historic Preservation. Others may wish to explore interests in fields related to the History of Architecture. Thus, the student should expect to take more than the required minimum courses during the normal four semesters of residency. Qualified students interested in historic preservation can complete the requirements for the Certificate in Historic Preservation and the Master of Architectural History within a two-year period.

**Historic Preservation Certificate Program** Students wishing to enter the Historic Preservation Certificate Program must be admitted to one of the four graduate departments in the School of Architecture. In order to ensure proper academic advising and program coordination, students interested in the Historic Preservation Program should attend the program meeting at the start of the Fall semester. Upon arriving at the Architecture School they should also file a program participation form with the Architecture School's registrar. Students who complete the required 21 credits of preservation course work receive a Certificate in Historic Preservation, in addition to their department's master's degree. There are individual courses that fulfill the requirements of the historic preservation certificate curriculum that also fulfill requirements within the architectural history department curriculum. Thus, students normally complete the course work for the historic preservation certificate during the same period in which they complete their departmental program. For example, the course in the Theory of Historic Preservation counts as one of the 700-level seminar courses required by the department. The overall certificate program fulfills the department's requirement for minor field of study. The courses in Group B of the Foundations of Preservation Core can count towards a major field requirement in American architectural history.

**Placement Examination** Students from different disciplines apply to the program. For those students who lack adequate undergraduate preparation in the field, the curriculum has been structured to allow deficiencies to be remedied.

Upon entry into the program, candidates will take a placement examination composed of two sections. Section one is Egyptian, Greek, Roman, Early Christian, Byzantine, Romanesque, Gothic, and Early Renaissance. Section two is 1500-present,

and includes High Renaissance, Baroque, and European including, England, France, Germany, Italy and North American, since the first European contact. Students who fail in one or more of these fields are required during the first year to take the appropriate course or courses. Only one such course may be used to satisfy the degree requirements; it would take the place of the free elective.

**Language Qualification** Candidates are required to demonstrate a reading knowledge of one foreign language, preferably French, Italian, or German. This requirement may be satisfied by earning the grade of B or better in an intermediate-level university course in the language within two years of admission, by a score of at least 550 on an ETS Graduate School Foreign Language Test, or by a language departmental reading test.

**Course Distribution** Three credits must be in AR H 700 (Methods in Architectural History), three credits in SARC 600 (The Common Course), and three hours in thesis credit. In addition, each student must have at least nine hours at the 700 level or above, and at least one course from four of the following distribution areas: Ancient and Medieval Architecture, Renaissance and Baroque Architecture, European Architecture since 1700, American Architecture, and non-Western Architecture.

**Major and Minor Field Areas** Each student must complete a major field of nine credits and a minor field of six credits selected from among the distribution areas listed above. Students enrolled in the Historic Preservation Certificate Program may select historic preservation as their six-credit minor. Of the 36 credit hours required for the degree, 33 must be in AR H courses, although in extraordinary circumstances, and by prior approval of the Department Chair, the student may substitute other courses, e.g., art or history.

**Comprehensive Examination** The examination is given during the spring semester of the second year, and requires mastery of the discipline of architectural history including its less familiar aspects. The preparation required for this examination should be kept in mind when selecting courses, conducting student-run seminars, pursuing outside reading, and attending additional courses informally.

**Thesis** The thesis is a major piece of independent work undertaken under the supervision of a committee from the Department. The committee is normally composed of two full-time Department Faculty, one of who serves as Chair, and a third member. The thesis represents three credit hours, normally taken during the student's fourth semester. It is possible to

explore the thesis topic more broadly by enrolling for an independent research course in conjunction with the thesis course.

### Typical Program of Study

#### First Year

##### First Semester

AR H 700	Methods in Arch. History ...	3
AR H ____	Major field area .....	3
SARC 600	The Common Course .....	3
AR H ____	Elective .....	3
	.....	12

##### Second Semester

AR H ____	Elective .....	3
AR H ____	Other distribution areas....	3
	Elective .....	3
	Elective <sup>(1)</sup> .....	3
	.....	12

#### Second Year

##### First Semester

AR H ____	Major field area .....	3
AR H ____	Minor field area .....	3
AR H ____	Minor field area .....	3
	Elective <sup>(1)</sup> .....	3
	.....	12

##### Second Semester

AR H ____	Major field area .....	3
AR H ____	Thesis .....	3
AR H ____	Other distribution areas....	3
	Elective <sup>(1)</sup> .....	3
	.....	12

Degree Total<sup>(1)</sup> 48

<sup>(1)</sup> A course beyond the 36 credits required to satisfy the minimum requirements for the degree. These electives may be used to explore interests in related fields or to satisfy the requirement of a second or third preparatory course from among AR H 501, 502.

The preservation program requirements for students in the Department of Architectural History are given in the description of the Historic Preservation Program.

Architectural History students may, with approval, attend the summer program in Vicenza.

A semester in England is also offered through the Courtauld Institute at the University of London for second year students.

A Venice program is offered through the School of Architecture for second year students.

### Doctor of Philosophy in the History of Architecture

The Doctor of Philosophy in the History of Architecture prepares students to teach at the university and college level, both in traditional art history and humanities programs and in professional schools. Holders of the degree may also engage in any number of other fields, for instance: preservation, writing and publishing, curatorial work in museums, and the practice and

teaching of architecture.

The degree is offered through the Graduate School of Arts and Sciences, while the program is located in the Department of Architectural History in the School of Architecture. In addition to the requirements for the school's Master of Architectural History, the doctorate's requirements include an additional year of course work, competence in at least one more foreign language, successful completion of field examinations, and the successful defense of a dissertation. Limited financial aid is available, some of which requires teaching.

**Admission** Required for admission into the doctorate program is the equivalent of the School of Architecture's Master of Architectural History. Students lacking that preparation should apply for admission to the Master of Architectural History Program with a clear indication of their interest in the Ph.D. program. Admission to the doctorate program is a separate procedure pursued through the Graduate School of Arts and Sciences. Admission is based on the student's record in graduate architectural history courses and other graduate-level work as revealed in the official transcript and letters of recommendation (at least two are required), on Graduate Record Examination scores, and on the form and content of the statement of intent submitted as part of the application. An interview is useful but not required.

### Curriculum and Course Distribution

In addition to the requirements for the M. ArchH. degree (36 credits), the doctorate program requires a minimum 18 credits of additional graduate course work and 18 credits of non-topical research.

The student must select an area of major field concentration and two areas of minor field concentration. Field examinations are held in each of these areas, which include American, European since 1750, Renaissance-Baroque, Medieval, Ancient, and non-Western architecture. Upon consultation with an advisor, the student may create a new field for examination, and/or select a minor field area from another Department (e.g., art history: American or Renaissance art; Anthropology: American Archaeology; History: Colonial, etc.). Counting the M.ArchH. courses, the student is required to present for the Ph.D. degree at least five courses in the major field area, three courses in each of the two minor field areas, and at least one course in all other Architectural History areas.

**Language Qualification** The doctorate calls for a reading knowledge of at least one more foreign language than the one required for the MArchH, usually French, German, or Italian (although Latin or some other language may be substituted with permission). This requirement may be sat-

ified by earning the grade of B or better in an intermediate-level university course in the language within two years of admission, or by a score of at least 550 on an ETS Graduate School Foreign Language Test, or by a language departmental reading test.

**Examinations** The Ph.D. field examination is normally held in the first semester of a student's second year and consists of written and oral segments taken consecutively over a three to five day period. The student must submit a dissertation prospectus prior to taking the field examination. The written portion of the exam is two days in length. The first day is devoted to the major field area and takes about six hours to write; the second day consists of two three-hour written segments in the student's two minor field areas. The faculty reads the examination, and the oral examination segment follows on either the third, fourth, or fifth day, and consists of one hour on the major field area and one-half hour on each of the minor field areas. The student is expected to demonstrate familiarity with buildings and other works related to architecture, the methods used for dealing with that knowledge, and the history and bibliography connected to it. Attention is also directed to the economic, intellectual, and social history that surrounds specific architectural history questions.

**Dissertation** A dissertation, normally prepared in the third year of doctorate study, is meant to make an important contribution to knowledge. The formation of the committee should follow the guidelines of the Graduate School of Arts and Sciences. The dissertation committee will consist of at least four including: two full-time department faculty members, one of whom will serve as chair, a member from another department in the Graduate School of Arts and Sciences, and a fourth member who can be from the department or from outside. The time and place of the dissertation defense must be posted at least two weeks before its scheduled date.

#### Typical Program of Study

Note that a M.ArchH. or equivalent degree is required for admission to the program. Not included here are courses required for that degree, and various additional required non-topical research courses.

#### First Ph.D. Year

##### First Semester

AR H ____	Major field area .....	3
AR H ____	Minor field area .....	3
AR H ____	Additional area .....	3
AR H ____	Non-Topical research.....	6
	.....	15

##### Second Semester

AR H ____	Major field area .....	3
AR H ____	Art History (or other)	
	elective .....	3
AR H ____	<b>or</b>	

ARTH ____	(or other) elective .....	3
AR H ____	Non-Topical research.....	6
	.....	15

#### Second Ph.D. Year

	Field and written	
	examinations	
AR H ____	Non-Topical (dissertation)	
	research.....	9
AR H ____	Non-Topical (dissertation)	
	research.....	9
	.....	18

#### Third Ph.D. Year

##### ARH999 - (9) Dissertation defense

The *Graduate Arts and Sciences Admissions Catalog* contains information about the Ph.D. program and its requirements. It may be obtained from the Graduate School of Arts and Sciences, P.O. Box 400773 University of Virginia, Charlottesville, Virginia 22904-4773. Students seeking admission to the program who have, or are completing, the School of Architecture's Master of Architectural History degree or its equivalent should apply directly to the GSAS at that same address.

### Interdisciplinary Programs

#### Historic Preservation Certificate Program

The interdisciplinary program in Historic Preservation offers master's degree candidates in architecture, architectural history, landscape architecture and urban and environmental planning the opportunity to expand their professional studies through specialized training in the ethics and practice of historic preservation. Preservation has grown increasingly important in defining a civic sense of place, buttressing sustainable communities, conserving urban neighborhoods, protecting rural and scenic areas, and enriching public understanding of social, cultural, and architectural history. The program provides the opportunities for graduate students to develop the skills and expertise of the preservation practitioner within their own discipline, while at the same time studying the breadth of preservation work in related fields. Faculty from all four departments in the School of Architecture and distinguished visiting practitioners teach the preservation courses.

**Admission** Students wishing to enter the Historic Preservation Program must first be admitted to one of the four graduate departments in the School of Architecture. In order to ensure proper academic advising and program coordination, students interested in the Historic Preservation Program should attend the program meeting at the start of the Fall semester. Upon arriving at the Architecture School they should also file a program participation form with the A School's registrar. Students who complete the required 21 credits of preservation course work receive a

Certificate in Historic Preservation, in addition to their department's master's degree. There are individual courses that fulfill the requirements of the historic preservation certificate curriculum that also fulfill requirements within a student's departmental curriculum. Thus, students normally complete the course work for the historic preservation certificate during the same period in which they complete their departmental program.

#### Historic Preservation Certificate

**Curriculum:** Work in the Historic Preservation Program is grouped into four general areas.

- I. Foundations of Preservation Core is made up of six courses divided into three thematic groups that provide an ethical and conceptual overview of preservation. Certificate candidates take four of six courses in this core that are divided as follows: they take the one course in Group A, one of two courses in Group B, and two of three courses in Group C. (12 credits total):
  - Group A. Theory* (candidates take the one course in group A, 3 credits)
    - AR H 590, Historic Preservation Theory and Practice
  - Group B. History* (candidates take one of two courses in group B, 3 credits)
    - AR H 551/552/553/554
    - Early/Later/19th C. /20th C. American Architecture LAR 512/LAR 513, History of Landscape Architecture/History of American Landscape Architecture
    - AR H 551/552/553/554
    - Early/Later/19th C. /20th C. American Architecture LAR 513, History of American Landscape Architecture
  - Group C. Practice* (candidates take two of the three courses in group C, 6 credits)
    - ARCH 511, Design Approaches to Existing Sites
    - PLAN 530, Preservation Planning
    - AR H 752, Field Methods and Conservation in Historic Preservation
- II. Community History, Design, and Planning Core is a year-long interdisciplinary research, design, and planning project that focuses on preservation-related projects in a single community (6-9 credits):
  - A. A. Community History Workshop (3 credits, fall semester, for all certificate candidates) and
  - B. One of the following:
    1. Community Preservation Studio (6 credits, spring semester, for architecture and landscape architecture students);
    2. Community Public History and Planning Seminar (3 credits, spring semester, for architectural

history and planning students).

- III. Electives. There are numerous elective courses available that cover specialized aspects of historic preservation. Students in architectural history and planning are required to take at least one elective course that permits them to pursue work in their own particular discipline with greater depth. This course equalizes the credit hour differential that arises in the community history core and gives all certificate candidates the required 21 credit hours (3 credits, for architectural history and planning students).
- IV. Internship. A required internship permits students to obtain valuable experience in preservation-related work. Students may pursue the internship either during the school year or during the summer. Students have taken advantage of numerous internship opportunities with US/ICOMOS, National Park Service, HABS/HAER/HALS, English Heritage, Preservation Action, the National Trust for Historic Preservation, Monticello, local planning authorities, and with preservation planning and design firms. UVA's Institute for Public History coordinates a summer internship program with numerous Virginia institutions and communities that is open to students in the School of Architecture. Students who enroll in the preservation program with substantial prior work in the preservation field will have the internship requirement waived.

Inquiries should be addressed to Director, Historic Preservation Program, School of Architecture, P. O. Box 400122, University of Virginia, Charlottesville, VA 22904.

### American Urbanism Certificate Program

The Program of Advanced Studies in American Urbanism provides opportunities for the masters degree candidates to examine the fundamental, symbolic, and pragmatic values underlying American urban landscapes. Urban design has become an increasingly complex multi-disciplinary endeavor. Design at this scale requires an individual who has acquired a knowledge of urban history, the process(es) of urban development, design skills derived from an understanding of the theories and practices of both architecture and landscape architecture, and most importantly a coherent set of principles with which to discern, steward, and enhance the social, cultural and political values of embodied in urban form. The program's curriculum emphasizes the development of multi-disciplinary design and analytic skills to enable a student to creatively engage the problems of the contemporary urban environment.

**Admission** The Program is open to students who have been admitted to one of the four graduate departments in the School of Architecture and to practitioners who seek to expand their understanding of urban form and processes. Candidates should submit a letter of intent to the Director, describing their interest in the program and relevant experience. Candidates in fields other than Architecture and Landscape Architecture may be required to submit a portfolio for review. Admission to the Program of Advanced Studies in American Urbanism requires the approval of the Director and the candidate's Department Chair. Students who complete the required 24 credits of coursework receive a Certificate in American Urbanism in addition to their department's masters degree. Students will normally be able to complete the coursework during the same period required for completion of their departmental program. Inquiries should be addressed: Director, American Urbanism Program, School of Architecture, University of Virginia, Charlottesville, VA 22904.

**Requirements** The curriculum for the Certificate Program in American Urbanism includes required core courses and elective coursework. Required course(s) supplement the studio curriculum providing insight into the history, and theory of the development of urban form. Elective courses allow students to pursue individual interests in greater detail and offer the possibility to benefit from the breadth of expertise found within the School of Architecture and the University. The program director will review the course selection of all certificate candidates.

The core curriculum includes three courses (15 credits) that offer an introduction and overview to the principles and practices of urban design, and their application. All candidates will be required to successfully complete the required core curriculum.

Theories and Practices of Urban Design	3 credits
Urbanism Studio	6 credits
Studio (to be determined in consultation with the director)	6 credits

The remaining 9 credits will be made up of some appropriate combination of research and coursework, which will reflect the background and interests of the candidates and is determined in consultation with the program's director.

### Programs Abroad

Master Architectural History students may, with approval, spend a semester in one of the programs abroad when offered. The following programs are subject to change.

### Fall Program in London, England

This program is open to graduate students in the history of architecture department for study at the Courtauld Institute of Art. Students participating in this program are on leave of absence from the University.

**Fall Program in Venice, Italy** The program is directed and taught by faculty members from the University of Virginia, with the assistance of Italian adjunct faculty. The coursework includes a design studio, independent research, and studies of the architecture art, landscape and urban form of Venice and the Veneto. This program is open to all four departments and requires a minimum enrollment in order to be offered.

### Summer Program in Vicenza, Italy

This program is open to all students in the School of Architecture. The program carries no credit other than three optional credits for Independent Study. Extensive field trips to explore the art, architecture, and urbanism of the region are a prominent part of the program. Instruction is provided by University of Virginia and adjunct indigenous faculty members. Knowledge of Italian language is strongly recommended.

### Summer Program in Beijing, China

The UVA program in China introduces students to Chinese art, architecture, landscape architecture, and planning. The program includes field trips to sites in the city of Beijing and environs, as well as sites in other parts of China. Students may receive up to six credits through the School of Architecture. A faculty member of the School of Architecture, as well as local experts, staff the program. Fellowships are available from the Ellen Bayard Weedon Foundation. Limited travel funds are available through the Weedon East Asian Travel Grant competition sponsored by the East Asian Center.

### Course Descriptions

The following courses are subject to change; certain courses are offered in alternate years or are temporarily suspended when the instructor is on leave or for other reasons. 500 level elective courses are open to students in undergraduate and graduate programs. The *Course Offering Directory* is available in print during early April and November and online at [www.virginia.edu/registrar](http://www.virginia.edu/registrar).

### Architecture

#### ARCH 501, 502 - (3) (SS)

**Introduction to Architectural Design**  
Introduction to analysis, representation, and design of buildings, cities and landscapes.

#### ARCH 503 - (4) (Y)

#### Building Systems I

Examines the materials and systems asso-

ciated with the conception and construction of small to medium-scale buildings.

### **ARCH 504 - (3) (Y)**

#### **Architectural Drawing and Sketching**

Seeks to develop an increased desire for architectural exploration and discovery by providing instruction in architectural graphic notation, analytical drawing, and free hand sketching. Focuses on the ability of architectural drawing conventions and techniques to expand our understanding of natural and built form, in context.

### **ARCH 505 - (2) (SS)**

#### **Architectural Graphics**

Descriptive geometry, perspective, and presentation techniques used in architecture. Required for Path A graduate students.

### **ARCH 506 - (4) (Y)**

#### **Building II**

Explores the relationship between the technology of contemporary construction and the social, political, and economic forces that form the context of architectural practice. Examines the ethical responsibilities of the architect with respect to the unique tools and knowledge of the discipline.

### **ARCH 508 - (3) (Y)**

#### **Architectural Theory**

Investigates the role that ideas play in the conception, making, and interpretation of buildings and cities, and assists students in clarifying their own values and intentions as designers. Lectures cover a broad range of topics, with special emphasis placed on contemporary issues.

### **ARCH 511 - (3) (Y)**

#### **Design Approaches to Existing Sites**

Explores various approaches by designers to the contexts of their work. Examines buildings, urban infrastructure, and landscape interventions; includes lectures, discussions, and presentations by visitors and students.

### **ARCH 521 - (3) (Y)**

#### **Advanced Architectural Detailing**

An exploration of the life of details in building. Examines the ways in which technical decisions are made, and focuses on details and constructions within particular regional contexts.

### **ARCH 523 - (3) (Y)**

#### **Building I**

Introduces the technology involved in the design and construction of buildings, emphasizing the nature of materials and their practical assembly. A parallel intention to ARCH 301 and 302, it presents a vocabulary that interrelates history, theory, and technology.

### **ARCH 524 - (4) (Y)**

#### **Introduction to Structural Design**

*Prerequisite:* College-level physics.

A first course in structures for undergraduate or graduate students with degrees in other disciplines. Develops analytic and critical skills through both mathematical

and visual investigation of structures. Topics include static; mechanics of materials; computer-based structural analysis; and the design and behavior of basic structural elements and systems.

### **ARCH 525 - (4) (Y)**

#### **Environmental Control Systems and Lighting**

Study of the fundamental principles applied to the design of thermal and luminous environments as well as plumbing/drainage and electrical systems. A studio project is selected for additional analysis and design development focusing on the energy-conscious building envelope, mechanical systems selection, natural and artificial lighting schemes, and the building services layout.

### **ARCH 528 - (3) (Y)**

#### **Lighting Design**

Development of knowledge and skills in lighting design through the study of exemplary buildings, design exercises, case studies, and analyses of lighting conditions. Considers quantitative and qualitative lighting design issues and their synthesis through design.

### **ARCH 529 - (3) (Y)**

#### **Constructed Weather**

Focuses on the wild energies of sun, wind, water and earth. Students learn to perceive and to represent these "invisible" energies, and then to invent the means through which architecture can be conceived in concert with them.

### **ARCH 534 - (3) (Y)**

#### **Construction Practice Management**

Provides future architects, engineers, lawyers, and developers with an overall understanding of the construction process for commercial, industrial and institutional projects. Follows the history of a typical commercial, industrial, or institutional project from selection of architect to final completion of the construction. Topics include design cost control, cost estimating, bidding procedures, bonds and insurance, contracts and sub-contracts, progress scheduling, fiscal controls, payment requests, submittals, change orders, inspections, overall project administration, and continuing architect-owner-contractor relationships. Lectures and related field trips.

### **ARCH 538 - (3) (Y)**

#### **Construction and Modernism**

A discussion of the role of construction in design, focusing on industrialization and its impact on architecture in this century. Emphasizes the ideals and reality of mass production and the ways in which it has and does affect architectural form, both in a direct constructional way and in a conceptual way.

### **ARCH 541/542 - (3) (Y)**

#### **Computer Aided Architectural Design**

Explores design worlds that are made accessible through computer-based media.

Lectures provide a theoretical framework for computer-aided design, describe current methods, and speculate on advanced methods. Workshop exercises focus on computer-based 3-D geometrical modeling, including photo-realistic and abstract methods of rendering, materials simulation, texture mapping, reflection mapping, image processing, color-table manipulation, photomontage, lighting, animation, and combined media applications.

### **ARCH 544 - (2) (SS)**

#### **Computer Graphics and Design Application**

Application of geometrical modeling to design problem-solving using an array of solid modeling, geometrical modeling, rendering, and image processing tools.

### **ARCH 545 - (3) (Y)**

#### **Digital Moviemaking and Animation**

*Prerequisite:* ARCH 541/542 or 544, or instructor permission.

Explores the simulation of architecture, urban design, and environmental design through movie making. Examines parallels between the treatment of motion in movies and the treatment of motion in design. These parallels include how moviemakers and designers may treat the space-time continuum, three dimensional depth, movement, change over time, lighting, and montage. Further examines movie making as a medium for design exploration, for architectural aesthetic expression, and for undertaking a critical analysis of design.

### **ARCH 548 - (3) (Y)**

#### **Computables of Architectural Design**

Explores the quantitative basis and geometrical order of forms occurring in nature and architecture. Covers instructions, exercises, and examples of coding in a programming language during the first two thirds of the term. Students develop a case study in design methods that extends a CAD system as the basis for a computational project in the last third of the term. Programming knowledge is not assumed; class pace is individually adapted for students with previous experience.

### **ARCH 554 - (3) (Y)**

#### **Architectural Analysis: Key Buildings of Modernism**

Investigates the link between ideas and forms of significant buildings in the canon of modern architecture.

### **ARCH 557 - (3) (Y)**

#### **Theories and Practices of Modern American Urbanism**

Explores the design and transformation of the American urban landscape. Encourages a broad understanding of the many forces that determined the shape and form of our cities and towns, and helps students to develop more detailed and critical models of urban analysis.

### **ARCH 560 - (3) (Y)**

#### **Diagram and Detail**

A seminar that focuses on the development of inventive means of representing, through the

diagram, the explicit and implicit relationships between idea and form at all levels: from city to material assembly.

**ARCH 563 - (3) (Y)**

**Design of Cities**

Cities are physical artifacts that are experienced psychologically and socially. This course investigates the theories surrounding these processes to reach an understanding of humanistic urban design intentions.

Experiential realities are explored through case studies, readings, and mapping exercises.

**ARCH 565/567 - (3) (Y)**

**Photography: Landscape & Architecture**

The photographic medium is explored in the built and unbuilt environment, although the terms "landscape" and "architecture" can be broadly interpreted. Students learn the basics of camera exposure, as well as black and white developing and printing, but can investigate a variety of photographic media. The primary requirements are a presentation on a contemporary or historic art photographer, and a carefully assembled portfolio or series of images.

**ARCH 568 - (3) (Y)**

**Contemporary Architectural Theory**

Readings and lectures covering 1966 to the present, and tracing the development of post-modernism, post-structuralism, and other current movements in architecture. Reference is made to other disciplines, the influence of criticism, the role of the media, and distinctions between theory, criticism, and style.

**ARCH 569 - (3) (Y)**

**Photography and Digital Media**

This course seeks to give students the ability to conceive and create digital photographic imagery with control and sophistication. Topics include fundamentals of photography, color theory, digital control of visual qualities, and methods of image montage for both still images and short animations. Methods include production and presentation for both printed hard copy and for the world wide web.

**ARCH 582 - (3) (S)**

**Architectural Crafts**

Applies design process and theory to the design and construction of furniture. Investigates jointing, finishing, and construction techniques. Experience with tools is not required.

**ARCH 589 - (3) (Y)**

**Ecology/Technology: Theories and Practices of Nature and Design**

This course proposes two parallel investigations. First, the course places current debates and imperatives about design and the natural environment in an historical and theoretical context. Secondly, operating in parallel with historical and theoretical investigation, the course involves a series of experiments in visual representation. This draws on work in cinema, digital modeling and fabrication, and traditions of

scientific and statistical analysis to explore the way in which our understanding of natural and manmade systems is controlled by the way in which we can envision their existence as time-based phenomena.

**SARC 600 - (3) (Y)**

**The Common Course**

The Common course analyzes the existing and potential contributions of our four disciplines to the process of contemporary urbanization. The goal is to introduce all incoming graduate students to both the range of distinct perspectives and common threads represented in the School with respect to the land, history, environmental ethics and the role of design. Through lectures and workshops, students develop skills in representation, research and communication with an understanding of the methodologies of each discipline. All Master's students in programs two years or longer must take this course.

**ARCH 601, 602 - (6) (Y)**

**Architectural Design**

Introductory design problems in architecture for Path A students. Emphasizes developing a systemic approach to design on the land and in the city through experience with a constructional kit of parts and an awareness of the role of architectural theory and history in the design process. The faculty reviews all work in ARCH 601-602 to determine the progress and potential of each student.

**ARCH 610 - (3) (Y)**

**Future Cities: Topics in Digital Analysis and Representation**

Investigates topics in the digital analysis and representation of the modern metropolis. Explores the shift in architecture and urbanism from classical notions of universal order to practices informed by dynamic models of structure, form, and movement.

**ARCH 701 - (6) (Y)**

**Architectural Design**

Intermediate-level design problems, emphasizing analysis and synthesis of complex contextual, cultural, and constructional issues.

**ARCH 702 - (6) (S)**

**Architectural Design - Comprehensive Studio**

Intermediate-level design problems, emphasizing structure, enclosure, life safety and building systems.

**ARCH 713 - (3) (SI)**

**Selected Topics in Preservation**

Lecture and seminar as arranged.

**ARCH 721 - (3) (Y)**

**Structural Design for Dynamic Loads**

Examines wind and earthquake loads in structural design, reviewing the vocabulary of lateral resisting systems, and the basic dynamic theories that underlie building code requirements. Explores recent developments in research and practice. Student projects include reviewing and presenting

literature on lateral load research and design.

**ARCH 782 - (3) (SS)**

**Independent Study**

*Prerequisite:* Permission of the chair.

**ARCH 801 - (6) (Y)**

**Venice Studio**

Explores urban issues in the city of Venice.

**ARCH 801, 802 - (6) (Y)**

**Architectural Design Option Studio**

Design studies of selected architectural problems through extensive site analysis and strategic constructional rigor.

**ARCH 823 - (4) (Y)**

**Design Development**

Design Development is run as a laboratory design session twice a week for two hours. Formal and experiential design intentions are balanced with principal issues of comfort, life safety, structural stability, etc. in the resolution of a constrained design problem. The systems that shape the building are addressed at the scale of the urban block down to constructions at the scale of the hand but are made evident primarily at the scale of the building and the scale of the room.

**ARCH 848 - (3) (Y)**

**Professional Practice**

Introduces the primary issues involved in the practice of architecture: professional ethics, business practices, project process and management, personnel management, management of the process of producing a building, and the methods available to do so.

**ARCH 880 - (3) (IR)**

**Teaching Experience**

*Prerequisite:* Permission of the chair.

**ARCH 881 - (6) (S)**

**Community Preservation Studio**

This interdisciplinary architecture and landscape architecture studio works on new and adaptive re-use design problems in a community context. Analysis of the area's form and the narratives of its historic significance, developed in ARCH 592, provide the practical and theoretical point of departure for studio projects. Collaborative work is undertaken with students in ARCH 594 (Community Planning and Public History Seminar).

**ARCH 886 - (6) (S)**

**Urbanism Design Studio**

*Prerequisite:* Instructor permission.

**ARCH 897 - (3) (Y)**

**Thesis Research**

*Prerequisite:* Permission of the chair.

**ARCH 898 - (6) (Y)**

**Thesis Studio**

*Prerequisite:* ARCH 897 and permission of the chair.

## Landscape Architecture

### L AR 501, 502 - (3) (SS)

#### Introduction to Landscape Design I & II

*Prerequisite:* Admission to graduate degree program in landscape architecture  
Introduces the fundamentals of design to students without professional design degrees in architecture or landscape architecture.

### L AR 503 - (2) (SS)

#### Landscape Drawing and Representation

Explores techniques of drawing, emphasizing free-hand sketching. Required of students entering the graduate landscape architecture program.

### L AR 512 - (3) (Y)

#### Landscape Architectural History

Examines landscape architecture as an expression of cultural values. Rather than attempt a broad survey of numerous works of a period, the lectures concentrate on a few prototypical examples. Special attention is given to ancient Egypt, 16th-century Italy, 17th-century France, 17th-century Japan, 18th-century Britain, and 17th- to 20th-century America. The comparative case study approach is complemented by primary and secondary source readings.

### L AR 513 - (3) (Y)

#### History of American Landscape Architecture

Studies the development of American landscape architecture from the seventeenth century to the present, emphasizing seminal figures—Jefferson, Downing, Olmsted, Platt, Farrand, Jensen, and selected contemporary designers.

### L AR 514 - (3) (Y)

#### Theories of Modern Landscape

*Prerequisite:* L AR 512 or instructor permission.

Examines modern built landscapes as cultural products with their own materials, codes, and concerns. Underscores landscape architecture theory's interlocking relationship with changing societal constructions of nature, environmentalism, and the city. Focuses on exemplary built works of landscape architecture and their impact on, and debt to, specific design treatises or manifestos in light of broader cultural and theoretical practices.

### L AR 520 - (3) (Y)

#### Healing Landscapes

Investigates various topics centered on the general theme of designed landscapes as a means of "healing" human beings. Such healing is understood in a broad sense to encompass both physical and mental infirmities. Includes a historical overview of various healing landscapes, an examination of healing practices in various cultures, and field trips to various hospitals, hospices, and out-patient facilities in the Charlottesville area.

### L AR 521 - (3) (IR)

#### Topics in Contemporary Landscape Theory

Seminar that explores topics in contemporary landscape theory and practice through directed readings and seminar discussions. Subjects will vary from year to year, and may include design drawing and representation, gender and nature, constructs of nature (ecology, sustainability, chaos), or works of specific designers and regions.

### L AR 522 - (3) (Y)

#### Race, Space and Culture

Offers a critical look at built environments and other conceptions of space in relation to racial and other cultural identities. Melding content and methods from cultural studies and from architecture, landscape architecture, planning, and historic preservation, sessions are centered around weekly discussions of readings, videos, drawings and photographs, and field-trips. The course changes forever the way students understand ordinary spaces."

### L AR 523 - (3) (IR)

#### Historic Landscape Preservation

Includes readings and discussions on contemporary theory and practices for preserving historic landscapes. Evaluation of these theories and practices through a close review of a few case studies.

### L AR 524 - (3) (E)

#### Reading the Black College Campus

Seminar that focuses on how historically black college campuses (HBCUs) encode the struggle over black education in America at the turn of the 20th century. Explores built environments as arenas of multi-cultural contests and negotiations. Introduces methods and concepts to interrogate the still predominant paradigm of interpreting built environments art-historically. Seminar readings and field trips.

### L AR 525 - (3) (Y)

#### Urban Topographies

Seminar that explores the constructed nature of the contemporary urban landscape from the starting point of the ground. A series of landscapes that exemplify the ambiguous quality of urban ground—as both floor and roof, "terra firma" and made land—will be investigated through lectures, readings, and discussions.

### L AR 526 - (3) (Y)

#### D.I.R.T. Seminar: Doing Industrial Research Together

Readings, lectures, and class discussions that focus on the evolving definition and reclamation technologies of the post-industrial landscape. Includes field work/visits to a variety of brownfield and industrial sites.

### L AR 527 - (3) (E)

#### Race and American Places

Seminar that explores the ways in which multicultural struggle—particularly racial struggle— is manifested spatially in the built environments of America. Examines this

through readings in cultural theory and design literature, as well as through field trips. Relates the concepts introduced in readings to the business of understanding how identity politics influences the way we design and use places around us.

### L AR 528 - (3) (Y)

#### Landform and Urban Form in the Veneto

A historical and ecological overview of the towns and countryside of the Veneto in Northern Italy. Required for all graduate students in the Option Study in Venice.

### L AR 533 - (3) (Y)

#### Sites and Systems

Introduces vocabulary and tools for reading, mapping, and analyzing sites. Emphasis on the watershed as an ecosystem within which sites and systems can be understood and manipulated. Explores the implications of site and systems analysis for shaping landform through grading terraces, buildings, and roads. Issues are examined through the study of existing site design precedents as well as through short mapping and design exercises. Several site visits and field trips.

### L AR 534 - (4) (Y)

#### Earthwork

*Prerequisite:* LAR 533 or instructor permission

Applies concepts and principles of earthwork, land manipulation, grading, and drainage in short exercises. Introduces digital applications in a combined lecture and workshop format.

### L AR 537 - (4) (Y)

#### Plants and Environment I

Studies plant types and characteristics in natural and designed environments. Emphasizes field identification, ecological associations and, plant shape and form.

### L AR 538 - (4) (Y)

#### Plants and Environment II

*Prerequisite:* L AR 537  
Continued study of plant types and characteristics in natural and designed environments. Emphasizes field identification, ecological associations, and plant shape and form.

### L AR 543 - (3) (Y)

#### Landscape Visualization & 3-D Modeling

*Prerequisite:* ARCH 541 or 542.

Investigates advanced computer-based techniques for landscape visualization, including 3-D geometric modelling, texture mapping and animation. A series of lectures, computer-based workshop exercises and readings of increasing sophistication focus on internal and external representations of terrain elements: landform, vegetation, water, meteorological and atmospheric effects. Photo-realistic and abstract strategies are explored to augment design investigation and presentation.

**L AR 544 – (2) (SS)****Computer Graphics and Design Application**

Application of landscape imaging and geometric modeling to design, using an array of solid modeling, geometric modeling, and image processing tools.

**L AR 546 – (3) (IR)****Digital Media and Design Applications**

*Prerequisite:* L AR 544 and ARCH 541; or permission of instructor.

The study of computing as an analytic and design tool, stressing 3D modeling techniques and landscape applications.

**SARC 600 - (3) (Y)****The Common Course**

The Common course analyzes the existing and potential contributions of our four disciplines to the process of contemporary urbanization. The goal is to introduce all incoming graduate students to both the range of distinct perspectives and common threads represented in the School with respect to the land, history, environmental ethics and the role of design. Through lectures and workshops, students develop skills in representation, research and communication with an understanding of the methodologies of each discipline. All Master's students in programs two years or longer must take this course.

**L AR 601 - (6) (Y)****Landscape Architecture Design I**

*Prerequisite:* L AR 501, 502.

A series of analysis, research, and introductory design projects that focus on understanding fundamental design compositional principles and developing a hand and digital drawing-based approach to exploring design problems. Emphasizes the roles of history and theory in contemporary landscape design with special emphasis on site interpretation and site structure.

**L AR 602 - (6) (Y)****Landscape Architecture Design II**

*Prerequisite:* L AR 601.

Continued study in the applications of fundamental design principles with special emphasis on the relationship of architecture and landscape. Design proposals are explored in multiple media—drawing, model and digital media.

**L AR 701 - (6) (Y)****Landscape Architecture Design III**

*Prerequisite:* L AR 601, L AR 602.

Focuses on the public landscape in the context of the town, city, or suburban edge.

**L AR 703 - (6) (Y)****Landscape Architecture Design IV**

*Prerequisite:* L AR 601, L AR 602, L AR 701.

Explores contemporary urban public space addressing a range of spatial types, scales and sites, ranging from the urban core to infrastructure landscapes to brownfield sites.

**L AR 703 - (3) (IR)****Advanced Landscape Drawing and Representation**

*Prerequisite:* L AR 601, L AR 602, L AR 701.

Explores ways of representing, analyzing and designing the landscape through a variety of media to include drawing, collage, image processing, model making and digital modeling.

**L AR 731 - (2) (Y)****Planted Form**

*Prerequisite:* L AR 537 and L AR 538 or instructor permission.

Develops a design vocabulary specific to individual plant architecture and collective planted form studying the structure and dynamics of native plant communities, vernacular planting systems and design precedents. Design intention and selection of plants applied through detailed plant palettes. Offered first half of semester.

**L AR 732 - (2) (Y)****Regenerative Technologies**

*Prerequisite:* L AR 736

Introduces the design potential of remediation technologies ranging from conventional engineering to emerging bioremediation systems. Review of contaminants' impact on soil and water, applying remediation strategies integrated with site design. Offered first half of semester.

**L AR 733 - (2) (Y)****Site Assembly I**

Introduces landscape construction materials and fundamental methods for their assembly, focusing on the horizontal and vertical surface-walls and pavements. Includes case study analysis of built works to explore the expressive design potential of materials, technical concerns for performance and durability, and ethical concerns for sustainability. Meets the first half of the semester.

**L AR 734 - (2) (Y)****Site Assembly II**

*Prerequisite:* L AR 733, L AR 735, or permission of instructor.

Introduces landscape construction materials and fundamental methods for their assembly, focusing on small structures. Includes case study analysis of built works to explore the expressive design potential of materials, technical concerns for performance and durability, and ethical concerns for sustainability. Meets the second half of the semester.

**L AR 735 - (2) (Y)****Site Work I**

*Prerequisite:* L AR 534

Introduces ecological and engineering principles for the design of landscape infrastructure, including storm water management and road design. Combined lecture and workshop format. Meets the last half of the semester.

**L AR 736 - (2) (Y)****Site Work II**

*Prerequisite:* L AR 535

Continued study of landscape infrastructure design. Combined lecture and workshop format. Meets the first half of the semester.

**L AR 801 - (6) (Y)****Landscape Architecture Design V**

*Prerequisite:* L AR 701, L AR 702; or graduate studios in architecture.

Applies landscape architecture theory, principles, and methods to problems of urban, rural, or suburban environments and communities.

**L AR 802 - (6) (Y)****Landscape Architecture Design VI**

*Prerequisite:* L AR 701, L AR 702, L AR 801; or graduate studios in architecture.

May be pursued in one of three ways: (1) independent studio or study under the supervision of a faculty advisor; (2) participation in an advanced collaborative studio taught by department faculty; or (3) participation in a collaborative studio in architecture. Students pursuing an independent studio project must complete L AR 821 in the fall and receive approval of their proposal from the L.A. faculty.

**L AR 821 - (3) (Y)****Research Methods**

Introduces research techniques and methodologies. Required for students taking the spring semester independent studio project.

**L AR 832 –(4) (Y)****Contract Documents and Professional Practice**

*Prerequisite:* L AR 736

Capstone course applying ecological and engineering techniques to the detailing and implementation of a small project, developed into a set of contract documents (drawings and specifications). Concurrent introduction to methods and models of design practice administration: proposal, contracts, project management, collaboration and licensure.

**L AR 851 - (1-4) (Y)****Special Study in Landscape Architecture**

Independent research on topics selected by individual students in consultation with a faculty advisor.

**L AR 852 – (3) (Y)****Advanced Independent Research**

Advanced independent research on topics selected by individual students in consultation with a faculty advisor

**L AR 880 – (3) (Y)****Teaching Experience**

Involves serving as a teaching assistant for a course, with teaching assignments coordinated by the chair.

**Urban and Environmental Planning****Core Courses****SARC 600 - (3) (Y)****The Common Course**

The Common course analyzes the existing and potential contributions of our four disciplines to the process of contemporary

urbanization. The goal is to introduce all incoming graduate students to both the range of distinct perspectives and common threads represented in the School with respect to the land, history, environmental ethics and the role of design. Through lectures and workshops, students develop skills in representation, research and communication with an understanding of the methodologies of each discipline.

#### **PLAN 601 - (4) (Y)**

##### **Planning Process and Practice**

A practicum/problem course focusing on the use of maps and quantitative information in the planning process. Develops familiarity with types and sources of data and assesses the relevance of data for various types of problem situations. Provides experience in producing quality professional analysis. Also develops team skills and graphic presentation abilities.

#### **PLAN 604 - (3) (Y)**

##### **Legal Aspects of Planning**

Addresses the law as it relates to planning practice. Includes substantial work in traditional areas of land-use law, but also deals with the law as an instrument for change. Emphasizes developing legal research skills and performing legal analysis.

#### **PLAN 605 - (4) (Y)**

##### **Methods of Planning Analysis**

Applies quantitative skills to the planning process: analyzes decision situations and develops precise languages for structuring or communicating their quantitative dimensions. Includes lectures, case studies, and reviews of statistical methods, survey research methods, census data analysis, program and plan evaluation, and computer modeling.

#### **PLAN 607 - (3) (Y)**

##### **Urban Theory and Public Policy**

Concentrates on normative and empirical urban theory central to understanding the design and effects of public policies. The theories and applications considered span a number of academic disciplines. Stresses application of theoretical perspectives to federal, state, and local policy choices.

#### **PLAN 609 - (3) (Y)**

##### **Planning Theory and Practice**

Provides a sense of the intellectual and professional roots of contemporary planning theory and practice. Analyzes these roots with an eye to stimulating new perspectives and concepts for a sustainable community orientation.

##### *Electives*

#### **PLAN 501/502 - (4) (Y)**

##### **Urban Design (cross-listed with PLAN 201/ 202)**

Explores methods of urban design analysis, stressing observational and representational methods. Emphasizes relationships among public and private buildings, spaces, and transportation corridors in commercial centers.

#### **PLAN 508 - (1) (Y)**

##### **Mini-Courses**

A series of 1 credit short courses from which students can select topics such as "basic graphics", "CDBG strategies", "fiscal impact assessment", "pedestrian & bicycle planning". Topics vary each year.

#### **PLAN 511 - (3) (Y) (cross-listed with Plan 211)**

##### **Digital Visualization for Planners**

Through lectures and workshops, this course develops the fundamental skills for using computers for visualization in planning. Employs principles of computation, data storage, file management, macro programming, and application development. Explores presentation and drawing tools by programming spreadsheets using computer assisted graphing and mapping. Other topics, such as Geographic Information Systems, Computer Assisted Design, and the impact of information technology on society and work places are introduced.

#### **PLAN 512 - (3) (Y)**

##### **Geographic Information Systems**

Reviews the use of computers in planning, emphasizing geographic information systems for collection, analysis, and display of spatial information in urban and environmental contexts.

#### **PLAN 513 - (3) (Y)**

##### **Advanced GIS Workshop**

Students apply GIS technology to examine significant issues of land, natural resources, and the characteristics of urban development.

#### **PLAN 522 - (3) (IR)**

##### **Planning, Budgeting, and Finance**

Evaluates the merit of various criteria for, and processes of, making budget choices. Examines questions about who should pay, who should benefit, who should participate, and who should decide, along with the consequences of these choices.

#### **PLAN 524 - (3) (IR)**

##### **Consensus Building, Negotiation and Mediation**

Examines the processes by which consensus can be developed, focusing on three principal elements: (1) general negotiation theory and skill development, including the concept of "principled" negotiation; (2) the conflict landscape, including government and non-government organizations; and (3) negotiation resources and opportunities, including organizations, processes, and enabling legislation.

#### **PLAN 525 - (3) (IR)**

##### **Public Involvement**

Examines both the theory and practice of public involvement in planning. Explores the planner's responsibility to the public and techniques for effective engagement.

#### **PLAN 529 - (3) (IR)**

##### **Special Topics in Policy Planning**

Varies annually to meet the needs of graduate students.

#### **PLAN 530 - (3) (Y)**

##### **Preservation Planning**

Studies current literature on the identification, evaluation, and treatment of historic places. Develops techniques for surveying, documenting, evaluating, and planning for preservation. Analyzes current political, economic, and legal issues in preservation planning.

#### **PLAN 534 - (3) (IR)**

##### **Urban Revitalization**

Explores problems and potentials encountered in planning for older established urban neighborhoods and downtowns. These may range from market decline and physical decay to intense private reinvestment and displacement. Major topics include neighborhood change processes, the role of private lending institutions in neighborhood change, techniques for identifying economically sound housing and business opportunities in older neighborhoods, neighborhood commercial and residential revitalization techniques, financing neighborhood improvement programs, and historic and architectural preservation as a component of urban revitalization.

#### **PLAN 540 - (3) (Y)**

##### **Introduction to Housing and Community Development**

Provides an introduction to the housing and community development area of planning practice. Topics include the housing and development industries, neighborhood change processes, social aspects of housing and development, and contemporary programs and policy issues.

#### **PLAN 542 - (3) (IR)**

##### **Economic Development**

Examines the economy of a community, region or neighborhood as an essential element, in livability and sustainability. Planners engage economic development by working with the community to assess needs and opportunities, through public-private business partnerships, and in development review.

#### **PLAN 543 - (3) (Y)**

##### **Land Development Workshop**

Explores the process of land development from the point of view of the private land developer interacting with local governments. Includes development potential analysis, site analysis, traffic analysis, land planning, development programming, public and private service to accommodate new development, and public regulation of land development.

#### **PLAN 544 - (3) (Y)**

##### **Neighborhood Planning**

As the "building blocks" of cities, neighborhood plans involve citizens in addressing issues of housing, jobs, public services, education, recreation, and transportation.

#### **PLAN 545 - (3) (IR)**

##### **Healthy Communities**

Explores the relationship between planning and human health drawing on interdisciplinary perspectives.

#### **PLAN 547 - (3) (Y)**

##### **Development Dynamics**

Explores the process and financing of land

development. Examines the roles of developers, investors, designers, planners, and others, identifying the objectives each have in the development decision process. Discusses the interplay and communications of what constitutes sound economics and good design.

**PLAN 549 - (3) (IR)**  
**Special Topics in Housing and Community Development**

Varies annually to meet the needs of graduate students.

**PLAN 551 - (3) (Y)**  
**Sustainable Communities**

Examines sustainable communities and the environmental, social, economic, political, and design standards that underlie them. Focuses on reviewing case studies of cities, towns, and development projects that reflect principles of sustainability.

**PLAN 552 - (3) (Y)**  
**Sustainable Planning & Design Workshop**

Students act as a consultant team to develop sustainable planning and design strategies for sites, which rotate each year.

**PLAN 553 - (3) (Y)**  
**Environmental Policy and Planning**  
 Examines contemporary environmental policy and practice, including exploration of the normative-philosophical debate surrounding environmental issues. Emphasizes understanding the political and institutional framework for establishing policy and programs and exploring the action approaches to environmental planning, including moral suasion, regulation, public investment, and public incentives. Analysis of case studies of environmental planning at the federal, state, and local levels.

**PLAN 554 - (3) (E)**  
**Environmental Ethics and Sustainability**

Detailed exploration of the normative debate surrounding environmental issues. Focuses on foundations of environmental economics, the value of endangered species, concerns of future generations, appropriateness of a sustainable society, notions of stewardship, and obligations toward equity.

**PLAN 555 - (3) (IR)**  
**Environmental Impact Assessment**  
 Explores environmental impact assessment processes and methods from both a theoretical and an applied perspective. The philosophy and statutory base of the assessment process are reviewed. Emphasizes the integration of the assessment process with the broader planning processes for a jurisdiction.

**PLAN 557 - (3) (IR)**  
**Environment and Economy**  
 Rather than being opposites, environment & economy are both dimensions that must be addressed to achieve sustainable outcomes this course explores these issues and students develop proposed solutions.

**PLAN 558 - (3) (O)**  
**Coastal Planning Issues**  
 Explores the special characteristics of coastal island settings for their planning significance. Addresses natural hazard mitigation, wetlands, and biodiversity.

**PLAN 559 - (3) (IR)**  
**Special Topics in Environmental Planning**  
 Varies from year to year to meet the needs of graduate students studying environmental planning.

**PLAN 560 - (3) (Y)**  
**Land Use and Growth Management**  
 Introduces the theory and practice of land use planning and growth management as they have evolved historically and as expressed in contemporary practice. Addresses the need and rationale for land use planning as well as its tools.

**PLAN 561 - (3) (Y)**  
**Community Planning Workshop (cross-listed with PLAN 401)**  
 Land use plans are developed, usually in conjunction with citizens, for a community undergoing change.

**PLAN 563 - (3) (Y)**  
**Design of Cities**  
 Cities are physical artifacts that are experienced psychologically and socially. This course investigates the theories surrounding these processes to reach an understanding of humanistic urban design intentions. Experiential realities are explored through case studies, readings, and mapping exercises.

**PLAN 564 - (3) (IR)**  
**Transit Oriented Design**  
 Students conduct studies and prepare a plan for high-density mixed use developments around public transportation facilities. Local officials and leaders serve as the client.

**PLAN 567 - (3) (Y)**  
**Community Design**  
 Explores the issues of community design as a form of public engagement. Students are drawn from planning architecture and landscape architecture to engage community design in an interdisciplinary context.

**PLAN 569 - (3) (IR)**  
**Special Topics in Land Use Planning**  
 Varies from year to year to fill graduate students' needs in the study of land use planning.

**PLAN 571 - (3) (IR)**  
**Landscape Preservation Workshop**  
 Examines the legal and practical issues involved in the conservation of rural landscapes including the settings of historic structures. Reviews the justification for landscape preservation, and the various planning strategies that could be employed to preserve landscapes, including land use regulations, tax incentives, and conservation easements. Includes case studies.

**PLAN 572 - (3) (Y)**  
**Transportation and Land Use**  
 Reviews basic relationships between land use and transportation. Considers the decision process, planning principles, impact measures,

and methodological frameworks for identifying and evaluating practices at regional, local, and neighborhood scale.

**PLAN 577 - (3) (IR)**  
**Plan Implementation**  
 Emphasizes the use of zoning, subdivision, and other regulations to implement planning practices. Attention is given to capital facilities programming and building codes.

**PLAN 593 - (1-4) (S)**  
**Independent Study/Fieldwork in Planning**  
*Prerequisite:* Planning faculty approval of topic.  
 Individual study directed by a faculty member.

**PLAN 611 - (3) (IR)**  
**Planning History**  
 Places the evolution and development of the practice of planning in the context of urban history. Particular cities serve as case studies.

**PLAN 898 - (3-6) (S)**  
**Master's Thesis**  
 A thesis is not required for the Master of Urban and Environmental Planning degree but is optional. Students should begin early to explore topics and to identify potential committee members. A guideline document is available.

## Architectural History

**AR H 503 - (3) (Y)**  
**History of Modern Architecture**  
 A survey of architecture (and allied arts including urban form and landscape architecture) from c.1800 to the present, emphasizing the development of the modern movement.

**AR H 515 - (3) (Y)**  
**Historical Archaeology**  
 Studies the theory, problems, and techniques of the archaeology of the American colonial past on the Atlantic seaboard. Field trips.

**AR H 531 - (3) (O)**  
**Later Medieval Architecture**  
 The architecture of Western Europe from c. 1140 and 1500.

**AR H 533 - (3) (O)**  
**Early Medieval Architecture**  
 The architecture of Western Europe from c. 800-1150.

**AR H 541 - (3) (Y)**  
**Italian Renaissance Architecture, 1400-1550**  
 The development of classicism in Italy between 1400 and 1550, including urban form and landscape.

**AR H 542 - (3) (Y)**  
**Italian Architecture, 1550-1750**  
 Developments in classicism in Italy between 1550 and the advent of neoclassicism, including urban form and landscape.

**AR H 543 - (3) (Y)**  
**European Classical Architecture Outside Italy, 1400-1750**  
 The development of classicism primarily in France, England, and Germany between 1400 and 1750 including discussion of cities and landscape design.

**AR H 551 - (3) (Y)****Early American Architecture**

A survey of American architecture from the first European contact to 1800 including Jefferson, urban form and landscape design.

**AR H 552 - (3) (Y)****Later American Architecture**

A survey of American architecture from 1800 to present including landscape and urban design.

**AR H 553 - (3) (Y)****Nineteenth-Century American Architecture**

A survey of American architecture from 1776 to 1914, or from Thomas Jefferson to Frank Lloyd Wright. Treatment includes Landscape architecture and decorative arts.

**AR H 554 - (3) (Y)****Twentieth-Century American Architecture**

A survey of American architecture emphasizing the development of modernism.

**AR H 561 - (3) (Y)****Nineteenth-Century European Architecture and Theory**

The development of architecture in nineteenth-century Europe, with particular attention to France, England and Germany.

**AR H 572 - (3) (Y)****History of Medieval Architecture**

Examines the architecture of Medieval Western Europe, emphasizing the period from 1000-1400. Includes the iconography, function, structure and style of buildings, and the use of contemporary texts.

**AR H 580 - (2-3) (IR)****Selected Topics in Architectural History**

*Prerequisite:* Instructor approval  
Special topics pursued in a colloquium.

**AR H 581 - (3) (Y)****Architecture of East Asia**

A survey and introduction of traditional architecture and allied arts in China, Japan and Korea. Study of the main features and major monuments of East Asian architecture and landscape architecture.

**AR H 582 - (3) (Y)****East - West Architecture**

A study of cultural exchanges and interactions in architecture between East and West. Major events and master architects like F.L. Wright and L. Kahn who contributed to the exchanges are discussed. The forms and meaning of East-West architecture are compared.

**AR H 585 - (3) (Y)****World Buddhist Architecture**

The history of Buddhist architecture and allied arts in the Buddhist world which includes East, South, and Southeast Asia. Lecture starts from the Indian stupas and ends in Japanese Zen gardens.

**AR H 587 - (3) (O)****Modern Japanese Architecture**

The history of architecture in modern Japan from the Meiji period to the present.

Focus on post-WW II development.

Influential architects, like Tange, Kikutake, Maki, Isozaki, Kurokawa, and Ando are discussed along with urban issues.

**AR H 589 - (3) (SI)****Independent Studies in Architectural History**

Advanced work on independent research topics by individual students. Departmental approval of the topic is required.

**AR H 590 - (3) (Y)****Historic Preservation Theory and Practice**

Surveys the history of preservation, focusing on the changing nature of its ideals and practice. Preservation is discussed in the context of cultural history and the changing relationship between existing buildings and landscapes, and attitudes toward history, memory, and invented tradition.

**AR H 592 - (3) (Y)****Community History Workshop**

An in-depth historical analysis of the architecture, urban form, and planning of a selected community. Focuses on the historical significance of the built landscape as an element in, and an expression of, the social and cultural life of the community.

**AR H 594 - (3) (Y)****Community Public History Seminar**

Explores a variety of approaches to conveying the architectural and cultural history of a community to a diverse public constituency. Builds upon AR H 592 (Community History Workshop). Also analyzes the preservation implications of the work undertaken in collaboration with students in ARCH 881 (Community Preservation Studio).

**SARC 600 - (3) (Y)****The Common Course**

The Common course analyzes the existing and potential contributions of our four disciplines to the process of contemporary urbanization. The goal is to introduce all incoming graduate students to both the range of distinct perspectives and common threads represented in the School with respect to the land, history, environmental ethics and the role of design. Through lectures and workshops, students develop skills in representation, research and communication with an understanding of the methodologies of each discipline. All Master's students in programs two years or longer must take this course.

**AR H 700 - (3) (Y)****Methods in Architectural History**

Required for candidates for the degree of Master of Architectural History. An investigation of the nature of architectural history, materials, methods, and writings.

**AR H 730, 731 - (3) (Y)****Research Problems in Ancient and Medieval Architecture**

Special research topics pursued in a seminar. Past topics have discussed Gothic/ non-Gothic, Norman, and Monastic architecture.

**AR H 740, 741, 742 - (3) (Y)****Research Problems in Renaissance and Baroque Architecture**

Seminar discussion of special research topics. Past topics have discussed anthropomorphism in Renaissance and Baroque architecture; Alberti's *De re Aedificatoria*; Renaissance and Baroque buildings in their larger settings; the Rome of Julius II; Renaissance and Baroque classification of Buildings; Renaissance Space; Brunelleschi and Alberti; Renaissance urbanism; Rome and the Renaissance; and the Renaissance palace.

**AR H 750, 751, 752, 753, 754, 756 - (3) (Y)****Research Problems in American Architecture**

Special research topics pursued in a seminar. Past sessions have discussed the American Renaissance; Frank Lloyd Wright, Architecture of the Arts and Crafts; Jefferson's architectural world; Skyscrapers; and Material Culture, Machine Age and Colonial Revival.

**AR H 760, 761, 762 - (3) (Y)****Research Problems in Modern Architecture**

Special research topics pursued in a seminar. Past sessions have discussed 19th-century Publications on the House; Le Corbusier; What was Modern?; High Victorian Design; 19th-Century European Architecture; 19th-Century Theory; Art Nouveau.

**AR H 780, 781, 782 - (3) (IR)****Research Problems in Non-Western Architecture**

Special research topics pursued in a seminar. Past sessions have discussed East Asian Cities and the Tao of architecture.

**AR H 789 - (3) (SI)****Independent Studies in Architectural History**

Advanced work on independent research topics by individual students. Departmental approval of the topic is required.

**AR H 830, 831 - (3) (IR)****Research Problems in Ancient and Medieval Architecture**

Advanced work on specific topics pursued in a seminar.

**AR H 840, 841 - (3) (IR)****Advanced Research Problems in Renaissance and Baroque Architecture**

Advanced work on specific topics pursued in a seminar.

**AR H 850, 851 - (3) (IR)****Advanced Research Problems in American Architecture**

Advanced work on specific topics pursued in a seminar. Past topics have discussed American architecture and Design between the wars, 1918-1940; and American luxury apartments, 1865-1931.

**AR H 931, 932 - (3) (IR)****Independent Studies in Renaissance and Baroque Architecture**

Advanced work on specific topics pursued in a seminar.

**AR H 941, 942 - (3) (IR)****Independent Studies in Modern Architecture**

Advanced work on specific topics pursued in a seminar.

**AR H 951, 952 - (3) (IR)****Independent Studies in American Architecture**

Advanced work on specific topics pursued in a seminar.

**AR H 997 - (3-6) (S)****Non-Topical Research**

For doctoral dissertation, taken before a dissertation director has been selected.

**AR H 998 - (3-6) (S)****Non-Topical Research**

For doctoral dissertation, taken before a dissertation director has been selected.

**AR H 999 - (3-6) (S)****Non-Topical Research**

For doctoral dissertation, taken under the supervision of a dissertation director.

**Faculty****Office of the Dean of the School of Architecture**

Karen Van Lengen, B.A., M.Arch., Edward E. Elson Professor of Architecture, Dean  
A. Bruce Dotson, B.A., Ph.D., Associate Dean for Academics  
Theo van Groll, B.A., M.R.P., Associate Dean of Students  
Elizabeth Fortune, B.S., M.B.A., Associate Dean for Finance and Administration  
Susan Ketron, B.A., M.A., Director of Development

**Department of Architecture****Professors**

Warren C. Boeschstein, B.A., B.Arch., M.Arch./U.D.  
W. G. Clark, Jr., B.Arch., Edmund S. Campbell Professor of Architecture  
Robin D. Dripps, B.A., M.Arch., T. David Fitz-Gibbon Professor of Architecture  
Edward R. Ford, B.S., M.Arch.  
William R. Morrish, B.Arch, M.Arch./U.D., Elwood R. Quesada Professor of Architecture  
Karen Van Lengen, B.A., M.Arch., Edward E. Elson Professor of Architecture, Dean  
Peter D. Waldman, B.A., M.F.A., William R. Kenan, Jr. Professor of Architecture

**Associate Professors**

Craig E. Barton, A.B., B.F.A., M.Arch.  
Michael J. Bednar, B.Arch., M.Arch.  
Maurice D. Cox, B.Arch.  
Judith A. Kinnard, B.Arch.  
Earl J. Mark, B.A., M.Arch., M.S., Ph.D.  
Kirk Martini, B.A., M.S., M.Arch., Ph.D.  
Charles Menefee III, B. Arch.  
Kenneth A. Schwartz, B.Arch., M.Arch.  
William H. Sherman, Chair, A.B., M.Arch., Mario di Valmarana Associate Professor of Architecture  
Theo van Groll, B.A., M.R.P.

**Assistant Professors**

Phoebe Crisman, B.Arch, M.Arch./U.D.  
Nicholas A. de Monchaux, B.A., M.Arch.  
Nataly Gattegno, B.A., M.A., M. Arch.  
Sanda D. Iliescu, B.S.E., M.Arch.  
Jason K. Johnson, B.S. Arch., M.Arch., John D. Quale, B.A., M.Arch., Timothy L. Stenson, B.S. Arch., M.Arch.

**Distinguished Lecturers**

Lucia B. Phinney, B.A., M.Arch., M.L.A.

**Lecturers**

Robert E. Crowell, B.S.  
Susan Carpenter, B.S. Arch, M. ArchChris Cornelius, B.S. Arch, M. Arch  
Cecilia M. Hernandez Villalon, B.A., M.Arch.  
Lance Hosey, B.A., M. Arch.  
Joseph G. Howe, Jr., B.S.C.E., M.C.E.  
Azadeh Rashidi, B.S. Arch, M. Arch  
Frederick A. Wolf, B.S., M.Arch.

**Department of Architectural History****Professors**

Dell Upton, B.A., M.A., Ph.D.  
Richard Guy Wilson, B.A., M.A., Ph.D., Commonwealth Professor of Architectural History

**Associate Professors**

Daniel Bluestone, B.A., Ph.D.  
Lisa A. Reilly, Chair, B.A., M.A., Ph.D.

**Assistant Professors**

Cammy Brothers, B.A., M.A., Ph.D.  
John Maciuika, B.A., M.A., Ph.D.  
Louis Nelson, B.A., M.A., Ph.D.

**Lecturers**

Yunsheng Huang, Dipl., M.S., M.A., Ph.D.  
Fraser Niemann, B.A., M.A., Ph.D.

**Department of Landscape Architecture****Professors**

Warren T. Byrd, Jr., B.S., M.L.A.  
Ian Grandison, M.L.A., University Professor  
William R. Morrish, B.Arch, M.Arch./ U.D., Elwood R. Quesada Professor of

Architecture

Reuben M. Rainey, B.A., M.Div., Ph.D., M.L.A.

**Associate Professors**

Julie Bargmann, B.F.A., M.L.A.  
Elizabeth K. Meyer, Chair, B.S.L.A., M.L.A., M.A.  
Elissa B. Rosenberg, B.A., M.L.A.

**Assistant Professors**

Caroline Westort, B.S., M.L.A., Ph.D.

**Distinguished Lecturers**

Nancy Takahashi, B.S.L.A., M.L.A., M.Arch.

**Lecturers**

Amy Arnold, M.F.A., M.L.A.  
David Bowne, B.S., Ph.D.  
Cole Burrell, B.S., M.L.A., M.S.  
Thomas Woltz, B.S. Arch, M.Arch., M.L.A.

**Department of Urban and Environmental Planning****Professors**

Timothy Beatley, B.C.P., M.U.P., M.A., Ph.D., Teresa Heinz Professor of Sustainable Communities  
Richard C. Collins, B.A., Ph.D., Lawrence Lewis, Jr. Professor  
William Lucy, B.A., M.A., Ph.D.  
William R. Morrish, B.Arch, M.Arch./U.D., Elwood R. Quesada Professor of Architecture  
Daphne Spain, Chair, B.A., M.A., Ph.D.

**Associate Professors**

A. Bruce Dotson, B.A., Ph.D., Associate Dean for Academics  
David L. Phillips, B.S.C.E., Ph.D.

**Assistant Professors**

Nisha Botchwey, B.A., M.C.P., Ph.D.

**Lecturers**

Charles Denny, B.S., M.P.  
Robert DeVoursney, Ph.D.  
E. Franklin Dukes, B.A., M.S., Ph.D.  
Claudette Grant, B.A., M.U.E.P.  
Jervis Hairston, B.A., M.P.  
Richard Hawthorne, B.S.C.E, M.S.  
Satyendra Huja, B.A., M.U.P.  
Shelly Mastran, B.A., M.F.A.  
Gary Okerlund, Jr., B.Arch., M.L.A.

**Retired Faculty**

James A.D. Cox, Dipl. Arch., Professor Emeritus  
Roger C. Davis, B.S.Arch.  
Mario di Valmarana, Dott.Arch.  
Donald E. Dougald, B.A.E., M.S.A.E., Associate Professor Emeritus  
Matthias Kayhoe, B.S.Arch., M.Arch., Professor Emeritus  
K. Edward Lay, B.Arch., M.Arch., Professor Emeritus  
Harry W. Porter, Jr., B.S.L.A., M.L.A., Professor Emeritus  
Yale Rabin, B.F.A., B.S.Ed., B.Arch., Professor Emeritus  
Jacquelin T. Robertson, B.A., B.A., M.Arch., Professor Emeritus  
John L. Ruseau, B.Arch.  
Robert L. Vickery, Jr., B.Jour., B.Arch., Professor Emeritus  
H. Kenneth White, Dipl. Arch.  
Dora Wiebenson, B.A., M.Arch., M.A., Ph.D., Professor Emeritus  
William Zuk, B.S.C.E., M.S.E., Ph.D., Professor Emeritus