

Landscape Architecture and Environmental Planning

The Department of Landscape Architecture and Environmental Planning offers a professional master's degree, the Master of Landscape Architecture (MLA), and a Doctor of Philosophy (PhD) in Landscape Architecture and Environmental Planning.

Master of Landscape Architecture (MLA)

The Master of Landscape Architecture degree is a professional degree accredited by the American Society of Landscape Architects. The program offers advanced work in landscape architecture from the scale of detailed form to that of the regional landscape. A core of courses in the department is required of all students, emphasizing the relationship between the design and the environmental planning aspects of the field. This core group forms the foundation for extended coursework in landscape design, urban and community design, and environmental planning.

Doctor of Philosophy (PhD) in Landscape Architecture and Environmental Planning

The doctor of philosophy program is offered for students who wish to pursue advanced scholarly and research work. The program emphasizes the development of theories and methods that underlie the fields of environmental planning or urban design, and the processes of planning and design as they relate to the solution of problems in the natural and urban environment. The PhD degree in Environmental Planning is appropriate for those seeking careers in research and teaching in environmental planning or urban design or in specialized roles in government or professional consultation.

Admission to the University

Minimum Requirements for Admission

The following minimum requirements apply to all graduate programs and will be verified by the Graduate Division:

1. A bachelor's degree or recognized equivalent from an accredited institution;
2. A grade point average of B or better (3.0);
3. If the applicant comes from a country or political entity (e.g., Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 90 on the iBT test, 570 on the paper-and-pencil test, or an IELTS Band score of at least 7 (note that individual programs may set higher levels for any of these); and
4. Sufficient undergraduate training to do graduate work in the given field.

Applicants Who Already Hold a Graduate Degree

The Graduate Council views academic degrees not as vocational training certificates, but as evidence of broad training in research methods, independent study, and articulation of learning. Therefore, applicants who already have academic graduate degrees should be able to pursue new

subject matter at an advanced level without need to enroll in a related or similar graduate program.

Programs may consider students for an additional academic master's or professional master's degree only if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master's degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master's degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master's degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a doctoral degree program in music or history; however, a student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.
2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master's degree program if there is no duplication of training involved.

Applicants may apply only to one single degree program or one concurrent degree program per admission cycle.

Required Documents for Applications

1. **Transcripts:** Applicants may upload *unofficial* transcripts with your application for the departmental initial review. *If the applicant is admitted*, then *official* transcripts of all college-level work will be required. Official transcripts must be in sealed envelopes as issued by the school(s) attended. If you have attended Berkeley, upload your unofficial transcript with your application for the departmental initial review. *If you are admitted*, an official transcript with evidence of degree conferral *will not* be required.
2. **Letters of recommendation:** Applicants may request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, not the Graduate Division.
3. **Evidence of English language proficiency:** All applicants from countries or political entities in which the official language is not English are required to submit official evidence of English language proficiency. This applies to applicants from Bangladesh, Burma, Nepal, India, Pakistan, Latin America, the Middle East, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, most European countries, and Quebec (Canada). However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a US university may submit an official transcript from the US university to fulfill this requirement. The following courses will not fulfill this requirement:
 - courses in English as a Second Language,
 - courses conducted in a language other than English,
 - courses that will be completed after the application is submitted, and
 - courses of a non-academic nature.

If applicants have previously been denied admission to Berkeley on the basis of their English language proficiency, they must submit new test scores that meet the current minimum from one of the standardized tests.

Where to Apply

Visit the Berkeley Graduate Division application page (<http://grad.berkeley.edu/admissions/apply>) .

Admission to the MLA Program

A bachelor's degree is the minimum requirement for admission to the graduate program. It is recommended that applicants have completed a minimum of one basic course each in the life, earth and social sciences. In addition, graphics and freehand drawing are strongly recommended for applicants with non-design backgrounds.

MLA 3D: First Professional Degree

The three-year MLA degree (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture/first-professional-degree>) is the first professional degree accredited by the American Society of Landscape Architects (ASLA). This degree is for students with non-design backgrounds.

MLA 2D: Second Professional Degree

The two-year MLA degree (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture/second-professional-degree>) is the second professional degree, also accredited by ASLA, for those students with first degrees in landscape architecture, architecture, or environmental design.

MLA EP: Environmental Planning

The department also offers a two-year environmental planning program (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture-environmental-planning>) leading to the MLA degree for students with a strong background in the environmental sciences or management.

Admission to the PhD Program

Admission is granted to a small number of individuals each year. Most applicants will have completed a master's degree before entering. Students with only a bachelor's degree should apply to the MLA program first or otherwise complete an appropriate master's degree before applying.

The PhD in Landscape Architecture and Environmental Planning is offered for students who want to pursue scholarly and research work beyond the master's level. Emphasis in this program is placed on the development of theories and methods that underlie the field of landscape architecture and environmental planning, and the processes of planning and design as they relate to the solution of problems in the natural and urban environment. The PhD degree is appropriate for students seeking careers in research and teaching in landscape architecture and environmental planning, or in specialized roles in government or professional consultation.

Degree Requirements

Students formulate coursework plans (to include the PhD seminar) to develop an individual specialization within the field, which must be approved by the students' program advisers. PhD requirements are as follows: 32 units of upper division and graduate coursework, a two-year

academic residency, reading knowledge of a departmentally approved foreign language, successful completion of a qualifying examination, and a dissertation.

Progress toward the degree is evaluated at least annually by the PhD committee. By no later than the end of the third semester, students will be evaluated as to their suitability for completing the PhD degree. Any student who, in the opinion of the faculty, seems unlikely to be able to complete all degree requirements (including dissertation research) will be subject to dismissal.

Curriculum

LD ARCH 255	Doctoral Seminar in Environmental Planning (Five semesters)	1
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Individualized approved study list, as per student's research interest	27
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Research

Participation of faculty in research increases the base of knowledge and theory in support of teaching and the profession. PhD students are often involved in these research topics as research assistants. Current topics include natural resource analysis, computerized inventories, environmental impact studies, methods of shoreline classification, principles of forest landscape design, urban livability studies, urban perception, case studies in urban design, morphological studies of the urban edge, environmental interpretation, behavior in parks and open spaces, community recreation projects, and environmental simulation.

Admissions Criteria

Admission to the PhD program is granted to a small number of highly qualified individuals each year. Applicants should have completed a master's degree before entering. Students with only a bachelor's degree should apply to the MLA program first, or otherwise complete an appropriate master's degree before applying.

The Department of Landscape Architecture and Environmental Planning offers three Master of Landscape Architecture (MLA) degree programs that are structured to equip students with advanced design and planning skills:

- The three-year MLA degree (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture/first-professional-degree>) is the first professional degree accredited by the American Society of Landscape Architects (ASLA). This degree is for students with non-design backgrounds.
- The two-year MLA degree (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture/second-professional-degree>) is the second professional degree, also accredited by ASLA, for those students with first degrees in landscape architecture, architecture, or environmental design.
- The department also offers a two-year environmental planning program (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning/programs/master-of-landscape-architecture-environmental-planning>) leading to the MLA degree for students with a strong background in the environmental sciences or management.

Degree Requirements

Students are required to select and complete one of two plans for the degree: Plan I—Thesis, or Plan II—Comprehensive Exam (professional project or designated studio.) The thesis is for students who wish to do

original research on a problem in landscape architecture or environmental planning. The thesis committee is composed of two faculty members from the Department of Landscape Architecture and Environmental Planning and a third faculty member from another department at Berkeley. The comprehensive exam format can be either a professional project or a designated studio that demonstrates broad competence plus the concepts and skills necessary to the field of landscape architecture. The professional project consists of a report of not more than 40 pages of text with appropriate professional drawings. It should document a real-world project. The professional project committee is composed of two faculty members from the Department of Landscape Architecture and Environmental Planning and a third member from outside the University community who usually is affiliated with the project.

Students may elect to fulfill the final degree requirement through the successful completion of a comprehensive exam studio taken in their final semester. Students who are in the Environmental Planning Concentration or in one of the concurrent degree programs are not eligible for the comprehensive exam studio option.

In addition, a summer internship (preferably taken the summer before the student's final year) is recommended. Previous professional experience may be substituted for this internship.

Normative time for the MLA degree is either two years (design background and environmental planning students) or three years (non-design background). A student's normative time is determined when the student enters the MLA program.

Public Information Policy

Public Information Policy Programs accredited by the Landscape Architectural Accreditation Board (LAAB) are required to provide reliable information to the public. Programs must report on accreditation status and its performance. This information is to help potential students make informed application decisions. To review this information, click here (http://ced.berkeley.edu/downloads/academic/accreditation/2014_file_LAAB_Public_Information_Policy.pdf).

Curriculum

MLA 3D Track (Three Years): First Professional Degree (84 Units Required)

LD ARCH 110	Ecological Analysis	3
LD ARCH 110L	Ecological Analysis Laboratory	2
LD ARCH 112	Landscape Plants: Identification and Use	4
LD ARCH 120	Topographic Form and Design Technology	3
LD ARCH 121	Design in Detail: Introduction to Landscape Materials and Construction	4
LD ARCH 132	Course Not Available	
LD ARCH 134A	Drawing Workshop 1	3
LD ARCH 134B	Drawing Workshop II	3
LD ARCH 135	The Art of Landscape Drawing	3
LD ARCH 160	Professional Practice Seminar	3
LD ARCH 170	History and Literature of Landscape Architecture	3
LD ARCH 200A	Fundamentals of Landscape Design	5
LD ARCH 200B	Case Studies in Landscape Design	5
LD ARCH 201	Ecological Factors in Urban Landscape Design	5
LD ARCH 202	Design of Landscape Sites	5
LD ARCH 251	Theories of Landscape Architecture and Environmental Planning	2

LD ARCH 254	Topics in Landscape Architecture and Environmental Planning	1
Select one social factors course from departmental breadth list		3
Select one studio requirement from the following:		5
LD ARCH 203	Landscape Project Design	
CY PLAN 248	Advanced Studio: Urban Design/Environmental Planning	
ARCH 201	Architecture & Urbanism Design Studio (by petition)	
Select one of the following:		2-3
LD ARCH 252E	Thesis and Professional Project Proposal Seminar (required for Thesis/Professional Project Students only)	
Elective		
Select one of the following:		5
LD ARCH 206	Final Project Preparation Studio: Thesis and Reports	
Final Degree Studio:		
LD ARCH 204	Advanced Project Design	
or CY PLAN 248	Advanced Studio: Urban Design/Environmental Planning	
Electives		Variable

MLA 2D Track (Two Years): Second Professional Degree (LA UG Degree, 49 Units Required; ARCH UG Degree, 55 Units Required)

LD ARCH 110	Ecological Analysis	3
LD ARCH 110L	Ecological Analysis Laboratory	2
LD ARCH 120	Topographic Form and Design Technology ²	3
LD ARCH 135	The Art of Landscape Drawing ²	3
LD ARCH 160	Professional Practice Seminar ²	3
LD ARCH 201	Ecological Factors in Urban Landscape Design	5
LD ARCH 251	Theories of Landscape Architecture and Environmental Planning	2
Select one course in landscape plants and their applications from the following: ¹		3
LD ARCH 111	Plants in Design	
LD ARCH 112	Landscape Plants: Identification and Use	
Individualized study list based on the following (some courses may be waived by petition):		
Select one or two additional studios (dependent on student's background) from the following: ¹		5-10
LD ARCH 202	Design of Landscape Sites	
LD ARCH 203	Landscape Project Design	
LD ARCH 204	Advanced Project Design	
LD ARCH 205	Environmental Planning Studio	
CY PLAN 248	Advanced Studio: Urban Design/Environmental Planning	
ARCH 201	Architecture & Urbanism Design Studio	
Select one course in landscape history from the following: ²		3
LD ARCH 170	History and Literature of Landscape Architecture	
Select one course in landscape structures/infrastructures from the following: ¹		3
LD ARCH 121	Design in Detail: Introduction to Landscape Materials and Construction	

LD ARCH 226 Landscape Design Construction	
Select one course in natural factors from the departmental breadth list ¹	3
LD ARCH 225 Course Not Available	
Select one course in social factors from the departmental breadth list	3
LD ARCH 252B Thesis and Professional Project Proposal Seminar (required for thesis/professional project students only)	3
Select one of the following:	5
LD ARCH 206 Final Project Preparation Studio: Thesis and Reports	
Final Degree Studio from one of the following:	
LD ARCH 204 Advanced Project Design	
LD ARCH 205 Environmental Planning Studio	
CY PLAN 248 Advanced Studio: Urban Design/Environmental Planning	
Electives	Variable

¹ Students with architecture backgrounds must enroll in LD ARCH 110, LD ARCH 110L, LD ARCH 112, LD ARCH 121, LD ARCH 170, LD ARCH 202 or LD ARCH 205.

² May be waived by petition.

MLA EP Track (Two Years): Environmental Planning (55 Units Required)

LD ARCH 134A Drawing Workshop 1	3
LD ARCH 134B Drawing Workshop II	3
LD ARCH C188 Geographic Information Systems	4
LD ARCH 200A Fundamentals of Landscape Design	5
LD ARCH 206 Final Project Preparation Studio: Thesis and Reports	5
LD ARCH 221 Quantitative Methods in Environmental Planning	3
LD ARCH 237 The Process of Environmental Planning	3
LD ARCH 252B Thesis and Professional Project Proposal Seminar	3
LD ARCH 254 Topics in Landscape Architecture and Environmental Planning	1
Select one social factors course from departmental breadth list	3
Select one natural factors course from departmental breadth list	3
LD ARCH 222 Hydrology for Planners	
LD ARCH 225 Course Not Available	
LD ARCH 227 Restoration of Rivers and Streams	
Electives	Variable

Landscape Architecture and Environmental Planning

LD ARCH 200A Fundamentals of Landscape Design 5 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

This studio introduces students to the programmatic, artistic, and technical aspects of land form and topographic adjustments to accommodate human use. Topics include pedestrian and vehicular circulation, conservation and addition of plant materials, movement of water, recreation use, and creation of views. Sculptural land forms will be emphasized through the use of topographic plans, sections, and contour models.

Fundamentals of Landscape Design: [Read More](#) [+]

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Hill

Fundamentals of Landscape Design: [Read Less](#) [-]

LD ARCH 200B Case Studies in Landscape Design 5 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

This studio stresses the shaping and coordination of ideas from initial concept to complete design product. A product(s) of intermediate scale and complexity (such as a garden, small park, plaza, or campus courtyard) will be developed in detail including the selection of planting, selection of construction materials, and topographic design. Lecture modules on selected professional topics are integrated into this course. Case Studies in Landscape Design: [Read More](#) [+]

Rules & Requirements

Prerequisites: Landscape Architecture 200A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Hood

Formerly known as: Landscape Architecture 102

Case Studies in Landscape Design: [Read Less](#) [-]

LD ARCH 201 Ecological Factors in Urban Landscape Design 5 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

Through lectures, studio problems, research projects, and discussion, this course will explore the challenge and potential incorporating ecological factors in urban contexts. The course focuses on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of the human environment (urban design, transportation, economics, etc.). Lectures and research projects will particularly emphasize innovative and forward thinking solutions to the ecological problems of the human environment. Throughout the semester, reading and discussion sessions will highlight the connections between the broader concerns of the global ecological crisis and landscape design and planning.

Ecological Factors in Urban Landscape Design: Read More [+]

Rules & Requirements

Prerequisites: 110, 134A-134B, or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Ecological Factors in Urban Landscape Design: Read Less [-]

LD ARCH 202 Design of Landscape Sites 5 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

A site design studio stressing the shaping and coordination of ideas from initial concept to complete design of open space in various contexts. Typical projects will be of an intermediate scale and might include a park, plaza, museum sculpture garden, playground, office park, or housing project. Modules on social factors and planting design are included.

Design of Landscape Sites: Read More [+]

Rules & Requirements

Prerequisites: 201 or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Jewell

Design of Landscape Sites: Read Less [-]

LD ARCH 203 Landscape Project Design 5 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

A site design studio stressing the shaping and coordination of ideas from initial concept to the thoughtful execution of design ideas at the site scale. Typical projects will focus on the experiential rather than the pictorial.

Projects might include a park, plaza, or rehabilitation of a brownfield site.

Landscape Project Design: Read More [+]

Rules & Requirements

Prerequisites: 201, or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Landscape Project Design: Read Less [-]

LD ARCH C203 Shaping the Public Realm 5 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

This interdisciplinary studio focuses on the public realm of cities and explores opportunities for creating more humane and delightful public places. Problems will be at multiple scales in both existing urban centers and in areas of new growth. Skills in analyzing, designing, and communicating urban design problems will be developed. Studio work will be supplemented with lectures, discussions, and field trips. Visiting professionals will present case studies and will serve on reviews.

Shaping the Public Realm: Read More [+]

Rules & Requirements

Prerequisites: Previous design studio or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Southworth

Formerly known as: 203

Also listed as: CY PLAN C243

Shaping the Public Realm: Read Less [-]

LD ARCH 204 Advanced Project Design 5 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016
Special topics in the design and planning of the landscape. The focus of the studio varies from semester to semester. Possible topics include community design, educative environments, landscape as art, park design, or energy-conserving design. For current offerings, see department announcement.

Advanced Project Design: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: 201 or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Meyer

Advanced Project Design: Read Less [\[-\]](#)

LD ARCH 205 Environmental Planning Studio 5 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016
Application of environmental planning principles to a complex problem involving a variety of environmental criteria and desired land uses in a complex institutional and political setting. Student teams will identify needed data, assess environmental developmental problems, weigh competing uses, and prepare an environmental management plan.

Environmental Planning Studio: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: 201 or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructors: Radke, Kondolf

Environmental Planning Studio: Read Less [\[-\]](#)

LD ARCH 206 Final Project Preparation Studio: Thesis and Reports 5 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016
This is a spring studio for students to work on final projects (theses and professional reports). The studio, including lectures by the instructor, is meant to train and assist students in thesis or professional project research and help them in finalizing their thesis or professional report topic. The course includes weekly exercises ranging from writing articles documenting, illustrating, and critiquing landscapes to finally producing a thesis or professional report.

Final Project Preparation Studio: Thesis and Reports: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: 252 and graduate standing

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 6 hours of studio per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Mozingo

Final Project Preparation Studio: Thesis and Reports: Read Less [\[-\]](#)

LD ARCH 221 Quantitative Methods in Environmental Planning 3 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016
Discussion and critique of the application of quantitative methods to environmental assessment, analysis, and evaluation in environmental planning. Topics to include geographical information systems and data bases, remote sensing, and multivariate analysis. This course emphasizes computer applications and data analysis.

Quantitative Methods in Environmental Planning: Read More [\[+\]](#)

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of lecture and 3 hours of laboratory per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Radke

Quantitative Methods in Environmental Planning: Read Less [\[-\]](#)

LD ARCH 222 Hydrology for Planners 4 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

This course presents an overview of relevant hydrologic, hydraulic, and geomorphic processes, to provide the planner and ecologist with insight sufficient to coordinate with technical specialists in the field of hydrology.

In addition, relevant regulations and policies are reviewed.

Hydrology for Planners: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Kondolf

Hydrology for Planners: Read Less [-]

LD ARCH 226 Landscape Design Construction 2 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

The course investigates the process of developing schematic landscape design proposals into constructed landscapes. Emphasis will be placed on understanding the durability of materials and design details, the efficient use of materials, and the ability to evaluate how material selection and detailing can impact the environment. Field trips to construction sites, manufacturing facilities, and built landscapes will be included.

Landscape Design Construction: Read More [+]

Rules & Requirements

Prerequisites: 121 (may be taken concurrently)

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Jewell

Landscape Design Construction: Read Less [-]

LD ARCH 227 Restoration of Rivers and Streams 3 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

This course reviews the underlying goals and assumptions of river and stream restoration projects, reviews techniques employed in these efforts, and emphasizes strategies for evaluation of project success. The course focuses on geomorphic and hydrologic analyses relevant to restoration and enhancement of aquatic and riparian habitat in freshwater systems. Format: lectures by instructor, guest lectures, presentation of student independent projects, and field trips. Course requirement: independent term project involving original research.

Restoration of Rivers and Streams: Read More [+]

Rules & Requirements

Prerequisites: Prior background in hydrology, geomorphology, ecology, restoration, or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Kondolf

Restoration of Rivers and Streams: Read Less [-]

LD ARCH C231 Environmental Planning and Regulation 3 Units

Terms offered: Spring 2015, Fall 2014, Fall 2013, Fall 2012

This course will examine emerging trends in environmental planning and policy and the basic regulatory framework for environmental planning encountered in the U.S. We will also relate the institutional and policy framework of California and the United States to other nations and emerging international institutions. The emphasis of the course will be on regulating "residuals" as they affect three media: air, water, and land. Environmental Planning and Regulation: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Corburn

Also listed as: CY PLAN C251

Environmental Planning and Regulation: Read Less [-]

LD ARCH 232 The Landscape As a Sacred Place 3 Units

Terms offered: Spring 2018, Spring 2017, Spring 2010

Visual and cultural analysis of landscapes, inventory procedures for "place" values, and problems related to sustainable design development, with special emphasis on highly valued places.

The Landscape As a Sacred Place: [Read More](#) [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

The Landscape As a Sacred Place: [Read Less](#) [-]

LD ARCH 237 The Process of Environmental Planning 3 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

A review of the techniques used in environmental planning, and evaluation of alternate means of implementation in varying environmental and political circumstances. The class will examine and critique a number of well-known environmental planning programs and plans. Lectures and discussion will address recurrent planning problems, such as the limitations of available data, legal and political constraints on plans, conflicts among specialists.

The Process of Environmental Planning: [Read More](#) [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Hill

The Process of Environmental Planning: [Read Less](#) [-]

LD ARCH C241 Research Methods in Environmental Design 4 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

The components, structure, and meaning of the urban environment.

Environmental problems, attitudes, and criteria. Environmental survey, analysis, and interview techniques. Methods of addressing environmental quality. Environmental simulation.

Research Methods in Environmental Design: [Read More](#) [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Bosselmann

Formerly known as: Interdepartmental Studies 241

Also listed as: CY PLAN C241

Research Methods in Environmental Design: [Read Less](#) [-]

LD ARCH C242 Citizen Involvement in the City Planning Process 3 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

An examination of the roles of the citizens and citizen organizations in the city planning process. Models for citizen involvement ranging from advising to community control. Examination of the effectiveness of different organizational models in different situations.

Citizen Involvement in the City Planning Process: [Read More](#) [+]

Rules & Requirements

Credit Restrictions: Students will not receive credit for C242 after taking City and Regional Planning 208, Interdepartmental Studies 206 Fall 1990, and Interdepartmental Studies 206 Fall 1991.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Formerly known as: Interdepartmental Studies 223

Also listed as: CY PLAN C261

Citizen Involvement in the City Planning Process: [Read Less](#) [-]

LD ARCH C250 Theories of Urban Form and Design 3 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

Theories and patterns of urban form throughout history are studied with emphasis on the role of planning and design in shaping cities and the relationship between urban form and social, economic, and geographic factors. Using a case study approach, cities are evaluated in terms of various theories and performance dimensions.

Theories of Urban Form and Design: [Read More](#) [+]

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Macdonald

Also listed as: CY PLAN C240

Theories of Urban Form and Design: [Read Less](#) [-]

LD ARCH 251 Theories of Landscape Architecture and Environmental Planning 2 Units

Terms offered: Fall 2016, Spring 2016, Fall 2014

The focus will be on debate and discussion of central ideas in landscape architecture and environmental planning, drawing on primary literature over many decades of thought. This is not a history course, but it will include some literature that goes back to the early years of the field. This course covers the breadth of thinking in the field, including both environmental planning and landscape design as well as other sub disciplines. Each week students will lead a debate on a different theoretical issue.

Theories of Landscape Architecture and Environmental Planning: [Read More](#) [+]

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Mozingo

Theories of Landscape Architecture and Environmental Planning: [Read Less](#) [-]

LD ARCH 252B Thesis and Professional Project Proposal Seminar 3 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

Students learn research methods including social factors, historical/archival, design exploration, master planning, theoretical, and scientific field work. Students develop a conceptual framework, survey instrument, literature review, and detailed work plan. A full committee and funding proposal due on the last day of class.

Thesis and Professional Project Proposal Seminar: [Read More](#) [+]

Rules & Requirements

Prerequisites: 252A

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of seminar and 1.5 hours of discussion per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Thesis and Professional Project Proposal Seminar: [Read Less](#) [-]

LD ARCH 253 Landscape Architecture and Environmental Planning Colloquium 1 Unit

Terms offered: Spring 2016, Fall 2015, Spring 2015

Invited lectures on current research, planning practice, and design projects. Out of approximately 14 presentations per term, typically two or three would be by department faculty, two or three by graduating students, the remainder by outside speakers.

Landscape Architecture and Environmental Planning Colloquium: [Read More](#) [+]

Rules & Requirements

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of colloquium per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Landscape Architecture and Environmental Planning Colloquium: [Read Less](#) [-]

LD ARCH 254 Topics in Landscape Architecture and Environmental Planning 1 - 5 Units

Terms offered: Spring 2018, Fall 2017, Spring 2017

Designed to be a forum for presentation of student research, discussions with faculty researchers and practitioners, and examination of topical issues in landscape architecture and environmental planning. Topics will be announced at the beginning of each semester.

Topics in Landscape Architecture and Environmental Planning: Read More [+]

Rules & Requirements

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-5 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Topics in Landscape Architecture and Environmental Planning: Read Less [-]

LD ARCH 255 Doctoral Seminar in Environmental Planning 1 Unit

Terms offered: Spring 2018, Fall 2017, Spring 2017

Designed to be a forum for presentation of doctoral student research, discussions with faculty researchers and environmental planning practitioners, and examination of topical issues in environmental planning. Topics will be announced at the beginning of each semester.

Doctoral Seminar in Environmental Planning: Read More [+]

Rules & Requirements

Prerequisites: Doctoral student or consent of instructor

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 8 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Doctoral Seminar in Environmental Planning: Read Less [-]

LD ARCH 257 Special Topics in Design 1 - 3 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

Research seminar on selected topics in landscape design. Seminars will focus on the theoretical foundations and practical applications of design and planning methods as well as emerging issues in the discipline.

Seminars will include lectures by the faculty member offering the course, guest lecturers, student presentations, and discussions. Readings and requirements vary from year to year based on the topic and instructor.

Special Topics in Design: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing or consent of instructor

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-3 hours of seminar per week

Summer:

6 weeks - 1-3 hours of seminar per week

8 weeks - 1-3 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: The grading option will be decided by the instructor when the class is offered.

Special Topics in Design: Read Less [-]

LD ARCH 289 Applied Remote Sensing 3 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016

This course consists of one lecture and one computer lab per week introducing fundamental principles and methods of environmental remote sensing and their practical applications. We will explore strategies for working with different types of remote sensing data and extracting image-based landscape information for various environmental research and planning objectives. This course focuses largely on local to regional scale applications of remote sensing in ecology, environmental planning and design, civil & environmental engineering and natural resource management.

Applied Remote Sensing: Read More [+]

Objectives Outcomes

Course Objectives: Become familiar with different types of data and instruments in remote sensing and learn how to choose the optimal remote sensing data and procedure for various landscape and environmental analysis applications.

Develop the capacity to work with the remote sensing literature and synthesize the relevant knowledge across different studies.

Explore traditional and novel remote sensing techniques and their use in landscape planning, environmental studies and natural resource management.

Learn practical skills and techniques to extracting landscape information from remote sensing data as image interpretation, classification, accuracy assessment, mapping and change analysis.

Rules & Requirements

Prerequisites: An introductory GIS course such as LA C188/Geography C188, ESPM 233 or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of lecture and 1.5 hours of laboratory per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Instructor: Dronova

Applied Remote Sensing: Read Less [-]

LD ARCH 295 Supervised Research in Landscape Architecture and Environmental Planning 2 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Supervised experience on a research project in landscape architecture and/or environmental planning. Regular meetings with faculty sponsor required. See departmental sheet for other limitations.

Supervised Research in Landscape Architecture and Environmental Planning: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing and appointment as a research assistant

Credit Restrictions: Any combination of 295 or 297 may be taken for a total of six units maximum toward the M.L.A degree.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Supervised Research in Landscape Architecture and Environmental Planning: Read Less [-]

LD ARCH 296 Directed Dissertation Research 1 - 12 Units

Terms offered: Fall 2015, Fall 2014, Spring 2014

Open to qualified students who have been advanced to candidacy for the Ph.D. degree and are directly engaged upon the doctoral dissertation.

Directed Dissertation Research: Read More [+]

Rules & Requirements

Prerequisites: Advancement to Ph.D. candidacy

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 1-12 hours of independent study per week

Summer: 8 weeks - 1.5-22.5 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Directed Dissertation Research: Read Less [-]

LD ARCH 297 Supervised Field Study 2 - 3 Units

Terms offered: Spring 2016, Fall 2015, Summer 2015 10 Week Session
Supervised experience relative to specific aspects of practice in landscape architecture and/or environmental planning. Regular meetings with faculty and outside sponsor as well as final report required. See departmental information sheet for other limitations.

Supervised Field Study: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing and consent of instructor and sponsor

Credit Restrictions: Any combination of 295 or 297 may be taken for a total of six units maximum toward the M.L.A. degree.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of fieldwork per week

Summer: 8 weeks - 3.5-5.5 hours of fieldwork per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Supervised Field Study: Read Less [-]

LD ARCH 298 Group Study 1 - 4 Units

Terms offered: Spring 2016, Spring 2015, Fall 2014
Special group studies. Topics to be announced at the beginning of each semester.

Group Study: Read More [+]

Rules & Requirements

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Group Study: Read Less [-]

LD ARCH 299 Individual Research 1 - 6 Units

Terms offered: Spring 2016, Fall 2015, Spring 2015

Research work conducted preparatory to completion of the thesis or professional project as well as other approved research. A maximum of six units will be counted toward the M.L.A. degree. The six units allows for four units maximum for thesis or professional project research, and two units maximum for other approved research. See departmental information sheet for other limitations.

Individual Research: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing and consent of instructor

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Summer:

6 weeks - 2.5-30 hours of independent study per week

8 weeks - 1.5-22.5 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate

Grading: Letter grade.

Individual Research: Read Less [-]

LD ARCH 300 Supervised Teaching in Landscape Architecture and Environmental Planning 2 Units

Terms offered: Spring 2017, Fall 2016, Spring 2016

Supervised teaching experience in undergraduate courses. Regular meetings with faculty sponsor. See departmental sheet for other limitations.

Supervised Teaching in Landscape Architecture and Environmental Planning: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing and appointment as a Teaching Assistant

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Professional course for teachers or prospective teachers

Grading: Offered for satisfactory/unsatisfactory grade only.

Supervised Teaching in Landscape Architecture and Environmental Planning: Read Less [-]

LD ARCH 301 Methods of Teaching in Landscape Architecture and Environmental Planning 2 Units

Terms offered: Fall 2012, Fall 2010, Fall 2009

This course presents general pedagogical principles and methods adapted to teaching in the fields of landscape architecture, environmental planning, and environmental sciences. The format varies from week to week, but involves presentations by faculty and experienced graduate student instructors (GSIs), guided discussions, sharing of teaching experiences for current GSIs, discussion of readings on effective teaching, viewing of videos, and presentation by GSIs of sections for upcoming weeks. Required of all graduate students to be eligible for appointment as GSIs; may be taken concurrently with first GSI position for entering students. Topics include learning objectives, lesson plans, active learning, group learning, classroom diversity, assessing student learning, giving constructive feedback, teaching in the studio environment, engaging students through field exercises, grading, and composing effective tests.

Methods of Teaching in Landscape Architecture and Environmental Planning: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: Graduate student standing

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Professional course for teachers or prospective teachers

Grading: Offered for satisfactory/unsatisfactory grade only.

Methods of Teaching in Landscape Architecture and Environmental Planning: Read Less [\[-\]](#)

LD ARCH 375 Methods of Teaching in Landscape Architecture and Environmental Planning 2 Units

Terms offered: Fall 2016, Fall 2014

This course presents general pedagogical principles and methods adapted to teaching in the fields of landscape architecture, environmental planning, and environmental sciences. The format varies from week to week, but involves presentations by faculty and experienced graduate student instructors (GSIs), guided discussions, sharing of teaching experiences for current GSIs, discussion of readings on effective teaching, viewing of videos, and presentation by GSIs of sections for upcoming weeks. Required of all graduate students to be eligible for appointment as GSIs; may be taken concurrently with first GSI position for entering students. Topics include learning objectives, lesson plans, active learning, group learning, classroom diversity, assessing student learning, giving constructive feedback, teaching in the studio environment, engaging students through field exercises, grading, and composing effective tests.

Methods of Teaching in Landscape Architecture and Environmental Planning: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: Graduate student standing

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Landscape Architecture/Professional course for teachers or prospective teachers

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Landscape Architecture 301

Methods of Teaching in Landscape Architecture and Environmental Planning: Read Less [\[-\]](#)

LD ARCH 601 Individual Study for Master's Students 1 - 8 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Individual study for final degree requirements in consultation with adviser.

Individual Study for Master's Students: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: Last semester of residence in M.L.A. program

Credit Restrictions: Course does not satisfy unit or residence requirements for master's degree.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate examination preparation

Grading: Offered for satisfactory/unsatisfactory grade only.

Individual Study for Master's Students: Read Less [\[-\]](#)

LD ARCH 602 Individual Study for Doctoral Students 1 - 8 Units

Terms offered: Spring 2016, Fall 2015, Spring 2015

Individual study in consultation with the major field adviser, intended to provide an opportunity for qualified students to prepare themselves for the various examinations required of candidates for the Ph.D.

Individual Study for Doctoral Students: [Read More](#) [+]

Rules & Requirements

Prerequisites: For candidates for doctor's degree

Credit Restrictions: Course does not satisfy unit or residence requirements for doctoral degree.

Repeat rules: Course may be repeated for credit.

Hours & Format

Fall and/or spring: 15 weeks - 0-0 hours of independent study per week

Summer: 10 weeks - 0-0 hours of independent study per week

Additional Details

Subject/Course Level: Landscape Architecture/Graduate examination preparation

Grading: Offered for satisfactory/unsatisfactory grade only.

Individual Study for Doctoral Students: [Read Less](#) [-]