Bachelor of Science in Landscape Architecture
Undergraduate Program Handbook
Department of Landscape Architecture and Regional Planning
University of Massachusetts Amherst

Department of Landscape Architecture and Regional Planning
109 Hills North
University of Massachusetts Amherst
111 Thatcher Road, Ofc 1
Amherst, MA 01003-9357
413-545-2255
413 545.1772 fax
www.umass.edu/larp
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Mission

The mission of the Bachelor of Science in Landscape Architecture program is to educate students from broadly diverse backgrounds in the fundamentals of landscape architecture-its history, theory and practice-and to build the capacity to work in a range of professional environments.

Program Highlights

Areas of Excellence
  Community Engagement  
  Creative Economies  
  Culture, Heritage and Society  
  Design Exploration  
  Regenerative Urbanism  
  Regional and Greenway Planning

Sustainable Design
  Economic  
  Social/Cultural  
  Ecological

Our program has a strong design, practice, and research focus. In our studios, students learn to design sustainable landscapes that balance human needs and ecological concerns.

International Opportunities
  Portugal  
  Hungry  
  Denmark

Our students have the opportunity to study abroad in a variety of countries through department-sponsored courses, formal exchange programs and student-initiated programs of study.

Program faculty are engaged in a wide range of research, from the fundamentals of design to ecological resilience to environmental perception. Faculty integrate their research into their teaching in the classroom and the studio, introducing students in the program to cutting-edge research in landscape architecture and sustainable design.

Studio Projects with Real Clients
In many studios and classes, students have the opportunity to work on real-world design and planning projects, with real clients ranging from state agencies, local communities and non-profit organizations to communities on a national or international scale.
The Department

The Department of Landscape Architecture and Regional Planning at the University of Massachusetts Amherst was founded by Frank A. Waugh in 1903 as an undergraduate program in Landscape Gardening, the second such program in the United States. In the 100 plus years since then, the Department has grown substantially, changed its name, and developed a number of distinct instructional programs:

- Bachelor of Science in Landscape Architecture
- Bachelor of Science in Environmental Design
- Master in Landscape Architecture
- Master in Regional Planning
- Dual Degree in Landscape Architecture and Regional Planning
- Dual Degree in Regional Planning and Law
- PhD in Regional Planning

The total enrollment in the department averages over 300 students, while the average size of the undergraduate Landscape Architecture class is 20 to 30 students per year. Currently, the department comprises 19 full-time faculty and three support staff. Visiting and adjunct faculty augment the core faculty. As practicing landscape architects, designers, and planners, these faculty enrich the studios and courses they teach with their professional experience and knowledge.

The common goal of all programs in the department is to encourage the sustainable use of land and natural resources. We focus on anticipating and resolving conflicts between the physical, economic, and social needs of human beings and vital natural systems. As designers and as planners, we have a special concern for aesthetics and for the psychological dimensions of the designed environment.

Although the landscape architecture and regional planning programs have unique perspectives and draw on discipline-specific bodies of knowledge, approaches, and techniques, the line between the two disciplines is by no means sharply drawn in the department. Design, whether of land or buildings, is the conscious ordering of physical objects and events in three-dimensional space to further human purposes, to fulfill human needs, wants, and desires. Planning is the systematic analysis and resolution of the physical, economic, and social problems of towns, cities and regions. Planning often provides a framework for the design of the physical landscape.

As a practical matter, all designers must plan, and all planners must design. The programs and curricula of the department attempt to promote the fullest possible interchange between these closely related, but often distinct, points of view.
Affiliated Centers and Programs

Students in the department benefit directly and indirectly from a number of affiliated centers and programs:

**Center for Economic Development** is a research and community-oriented technical assistance center that is partially funded by the Economic Development Administration, U.S. Department of Commerce. As an EDA Center, faculty and students have worked on economic development issues in more than 200 cities and towns in the past ten years. Faculty specializations include industrial development, retail/commercial development, tourism, marketing, employment training and quantitative data analysis.

The Center provides technical assistance to communities, undertakes critical community based studies and disseminates information, thereby enhancing local and multi-community capacity for strategic planning and development. The Center works closely with both community and business sectors, providing information and assistance needed for growth, management and public benefit. The Center’s clientele and cooperators include: community development corporations, state agencies, municipalities, regional planning agencies, developers, business leaders, chambers of commerce, local officials, public groups and the managers of firms.

**Center for Rural Massachusetts** was established at the University of Massachusetts in 1985 to address the threat of uncontrolled growth to natural and built rural environments. The Center practices a research and outreach mission focused on sustainable development. Measures proposed in Center publications have been studied and adopted not only in Massachusetts but also elsewhere in the United States and the world. Former associates of the Center, including faculty and students, now hold highly significant planning positions in urbanizing parts of America, and others are writing about ideas initiated at the Center.

**Citizen Planner Training Collaborative** provides local planning and zoning officials with the tools they need to make effective decisions regarding their community’s current and future land use. Center activities include:

- Training workshops delivering a Level I and Level 2 core curriculum, taught twice a year across the state by expert attorneys and professional planners.
- Internet access to core training units, a bylaw collection, many planning related links, training calendars, and e-mail discussion.
- On-demand training to any community needing to focus on a specific topic.
- One-day conferences addressing important land use issues on a more in-depth basis.
University and Town

Our students benefit tremendously from their affiliation with the University of Massachusetts Amherst, which is a Carnegie Research 1 institution and has an enrollment of approximately 26,000 students. Undergraduate students make up 78% of the student body. The University comprises eight Colleges and Schools. The Department of Landscape Architecture and Regional Planning resides in the College of Social and Behavioral Sciences.

UMass is part of the Five-College system of Smith College, Amherst College, Mount Holyoke College, and Hampshire College. The Five-College system has coordinated library system and allows students to access lectures, events and course offerings across the five campuses.

The town of Amherst is located in the scenic Connecticut River Valley. The town has a non-student population of 18,000. The University is located on the northwestern edge of town. A free bus system serves the campus as well as the adjacent towns and the four nearby colleges.
The Bachelor in Landscape Architecture Program

Our BSLA program has an explicit focus on sustainability, with a strong emphasis on design, practice, and research. A unifying theme of the program is the importance of protecting and enhancing the environment and public health, safety and welfare while simultaneously engaging the aesthetic challenge of reconciling form, content, style, and function.

The BSLA program is foremost a professional degree program. The education you will receive will provide you with the knowledge and skills necessary to work in private or public practice. The curriculum consists of a core of eleven studio courses complemented by lecture courses in subjects ranging from site engineering to the history of the built environment. A particular strength of the program is its dynamic, challenging and creatively stimulating studio courses which encourage the vigorous exchange of ideas between instructor and student and between students. Studio courses focus on the synthesis and integration of broad knowledge in the service of solving a specific design challenge. At the end of each studio you will have the opportunity to present your creative response to that design challenge to the faculty, outside reviewers and the student body at end-of-studio reviews.

The skills and knowledge you acquire in our studio and lecture courses will enable you to design beautiful and engaging landscapes that are environmentally sustainable. Specifically, the landscape architecture program will provide you with:

- An understanding of and appreciation for the design of sustainable landscapes, for pleasure and function.
- A working knowledge of the theories, processes, and techniques applied to the analysis of design problems and the implementation of design solutions in the profession of landscape architecture.
- An understanding of ecology, natural resource use and conservation and land-use activities.
- An understanding of the cultural determinants of human behavior and the social, political, economic and legal institutions that influence design decision.
- The capacity to verbally and graphically communicate your ideas to clients, the public, government officials and specialists in allied fields including planners, architects, engineers, and social, natural and physical scientists.
General Education Courses

Students who enroll in the program as freshmen can earn a B.S. degree in Landscape Architecture in four years. The University’s General Education requirements and the landscape architecture core curriculum must be satisfied. The following are the UMass General Education requirements as of 2010:

1. Writing: 2 courses (6 credits total)
   A. College Writing (CW)
   B. Junior Year Writing
2. Basic Math Skills: 1 course (R1) or Exemption by exam (0-3 total credits)
3. Analytic Reasoning: 1 course (R2) (3 credits total)
4. Biological and Physical World: 2 courses (8 credits total)
   A. Biological Science. 1 course (BS)
   B. Physical Science. 1 course (PS)
5. Social World: 4 courses (16 credits total)
   A. Literature. 1 course (AT/AL)
   B. Historical Studies. 1 course (HS)
   C. Social /Behavioral Science. 1 course (SB)
   D. An additional (1) course in any of the areas of the Social World or an Interdisciplinary course (AL, AT, SB, I, or SI)
6. Social & Cultural Diversity: 2 courses
   A. Diversity in the United States. 1 course (U, ALU, ATU, HSU, IU, or SBU)
   B. Global Diversity. 1 course (G, ALG, ATG, HSG, IG, or SBG)
7. Integrative Experience: 1 course
   For BSLA students, this will be your Senior Capstone Studio, LA 494LI

Please go to the SBS undergraduate advising office in 128 Thompson for more information on General Education courses.
Core Landscape Architecture Curriculum

C- minimum grade required in all core courses.

**Design Studio Sequence.** (11 courses)
In this sequence, the core of the landscape architecture program, students learn the principles, methods, processes, and techniques of landscape architecture design. Each half-semester (seven-week) studio poses progressively more complex challenges. A different instructor teaches each studio, ensuring a diverse range of project types, scales, and points of view.

- LandArch 297A Studio I: Fundamentals: Spaces & Landscape Media
- LandArch 297B Studio II: Spaces/Places in Context
- LandArch 297C Studio III: Designing with Plants
- LandArch 297D Studio IV: Designing with Landform
- LandArch 397A Studio V: Residential Garden Design
- LandArch 397B Studio VI: Recreation and Open Space Design
- LandArch 397C Studio VII: Sustainable Commercial/Institution Design
- LandArch 397D Studio VIII: Towards Sustainable Multi-Family Housing and Open Space
- LandArch 497A Studio IX: Urban Design: Sustainable Urban Systems
- LandArch 497B Studio X: Urban Design: Design Development
- LandArch 494LI Studio: Senior Capstone (14 weeks)

**Professional Skills Sequence.** (9 courses)
In this sequence, students develop the skills and knowledge required to implement landscape architectural projects. Included are courses in graphic and written communication, landform manipulation, construction materials, site engineering, computer-aided design and professional practice.

- LandArch 191A Graphics
- LandArch 294A/B Construction Materials
- SusComm 335 Plants in the Landscape
- LandArch 397E Site Engineering
- LandArch 494A Professional Practice
- SusComm 394A Writing in Landscape Architecture
- LandArch 547 Landscape Pattern and Process
- SusComm 574 City Planning
- SusComm 597A Computers in Environmental Design

**History Sequence.** (2 courses)
Courses in this sequence provide students with knowledge of built works of the past and present and the social, economic, technological, and aesthetic forces that influenced their design and construction.

- SusComm 543 History I Ancient to Medieval World
- SusComm 544 History II Renaissance to the Present
Landscape Architecture Curriculum

This is the standard curriculum for students entering the program as freshmen. Courses identified as Elective (GE) should be taken to satisfy the University’s General Education Requirement or as a free Elective, once General Education Requirements have been satisfied.

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Curriculum for Transfer Students

This is the standard curriculum for students transferring to the department from other programs or universities. Transfer students are strongly advised to have completed prerequisites of college-level math and at least one college-level art class.

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Curriculum for
Transfer Students from Stockbridge

This is a typical curriculum for students with an Associate’s Degree from the Stockbridge School of Agriculture. This assumes that the student has taken the equivalent of Land Form (LA253), Soil (PS105), and Plant Identification (SCD335). Stockbridge transfer students should check their General Education Requirements carefully. Depending upon the courses taken, additional General Education (GE) courses beyond what is shown as Elective (GE) may be necessary to meet the University’s General Education requirement.

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<td><strong>LA 497B Studio X</strong></td>
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<td><strong>LA 494 A Professional Practice</strong></td>
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<td><strong>SCD 574 City Planning</strong></td>
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Course Descriptions

Design Studio Sequence (11 courses)

In this sequence, the core of the landscape architecture program, students learn the principles, methods, processes, and techniques of landscape architecture design. Each half-semester (seven-week) studio poses progressively more complex challenges. A different instructor teaches each studio, ensuring a diverse range of project types, scales, and points of view.

LA 297A Studio I: Fundamentals: Spaces & Landscape Media
This foundational studio addresses an understanding of the landscape media—landform, water, plants, and structure—that define landscape space.

LA 297B Studio II: Spaces/Places in Context
This studio is a continued exploration of landscape design and media through the introduction of a real site, typically a local, small public park.

LA 297C Studio III: Designing with Plants
Working with a local site, this studio emphasizes the use of plants in creating landscape structure and aesthetics. Particular attention is paid to regional character and the use of native plants.

LA 297D Studio IV: Designing with Landform
This studio emphasizes the use of landform and grading as media for creating spaces. The site is larger than previous studios, requiring greater depth in site analysis, more complexity in program development and spatial organization, and supporting the ability to design at different scales.

LA 397A Studio V: Residential Garden Design
Working at the intimate scale of the private garden, the studio explores the relationships among architecture, shelter, and outdoor space. This studio typically involves a real client, along with an existing site and structure to which students must respond.

LA 397B Studio VI: Recreation and Open Space Design
Using a relatively large site and a complex program, this studio introduces the master planning of an open space or park system and the design of individual landscape spaces within the system network. Students consider concepts of public and private space and are expected to respond to the larger community and historical context.

LA 397C Studio VII: Sustainable Commercial/Institutional Design
This studio uses commercial and industrial development as a vehicle for exploring sustainable site planning.

LA 397D Studio VIII: Towards Sustainable Multi-Family Housing and Significant Open Space
The studio explores multi-family row housing and open space with structured public space and private gardens for human activities. Exploring low, moderate and high-density row housing,
the project broaches the three components of sustainability: sensitivity to environment, economy of means, and social justice.

**LA 497A Studio IX: Urban Design: Sustainable Urban Systems**
Often working in low-income neighborhoods in nearby Springfield, this studio focuses on areas of public use that will foster the development of a sustainable local community and serve as amenities for the city at large. The studio works to support the ethnic diversity of neighborhoods and develops open spaces that address storm water management and brownfield mitigation in order to create a sustainable urban environment.

**LA 497B Studio X: Urban Design: Design Development**
In this studio, a continuation of the Sustainable Urban Systems studio, students develop their schematic urban designs at the detail level, taking into account the ecology, maintenance, and intensity of use of the site.

**LA 494LI Studio XI: Senior Capstone Studio**
This fourteen-week study begins with large scale open space planning in the form of a greenway for recreational, scenic, and economic opportunities. It moves on to the design of a specific public landscape within that corridor, with an emphasis on interpreting, recovering or conveying the social, historical or other significance of the place for surrounding communities.

### Professional Skills (9 courses)

In this sequence, students develop the skills and knowledge required to implement landscape architectural projects. Included are courses in graphic and written communication, landform manipulation, construction materials, site engineering, computer-aided design, and professional practice.

**LA 191A Graphics**
Develops drawing skills necessary to conceive, develop, and communicate design ideas. Introduces plan and section drafting, freehand drawing, orthographic projection, rendering techniques, and perspective. These basic skills are further developed throughout the studio sequence beginning in the sophomore year. Material costs: $300.

**LA 294A/B Construction Materials**
Introduces students to materials and construction techniques used in landscape construction, in the regional framework of the New England landscape and climate. Design details and construction methods are discussed relative to aesthetic and functional concerns, emphasizing the critical relationship between landscape technique and design.

**ED 335 Plants in the Landscape**
Familiarizes students with woody plants, their use in the creation of outdoor space, roles in ecological processes and horticultural practices related to their establishment and maintenance.
In conjunction with LA 547 Landscape Pattern and Process, introduces reading the landscape in terms of plant community development and individual species within various communities of the New England landscape.

**LA 397E Site Engineering**
Introduces the fundamental components of site engineering, including: grading and landform manipulation, on-site drainage systems, construction calculations, road alignment, and site design criteria. Develops students’ drafting and AutoCAD skills, with emphasis on construction document preparation.

**SCD 394A Writing in Landscape Architecture**
Explores and develops writing skills in the context of the discipline of landscape architecture. Assignments are designed to help students evaluate their interests in the field. Covers a range of writing types including business, academic, and creative writing, with an emphasis on effective revisions. Satisfies the University’s junior year writing requirement. Only Environmental Design and Landscape Architecture majors can take this course.

**LA 494A Professional Practice**
Prepares students for entry into professional practice by examining a range of approaches and methods for providing professional services. Encourages discussion of professional ethics and responsibilities. Topics include: different modes of practice, the evolution of one’s career, different models of office organization and procedures, tools and tips for effective marketing, the need for professional collaboration, project management, and professional ethics.

**LA 547 Landscape Patterns and Process**
Focuses on landscape ecology as applied to planning and design decision-making. Explores landscape structure, function and dynamic processes at multiple scales. Introduces theoretical and technical knowledge that supports sustainable landscape planning, design, and management. Lab includes a series of local field trips and introductory labs in GIS.

**SCD 574 City Planning**
Familiarizes students with regulatory policy and planning as a context for design and environmental decision making. Influencing factors include physical systems (land, resources, infrastructure, housing, public space) as well as value systems (social, ecological, cultural). Acquaints students with planning history and tools and techniques, as well as contemporary deliberations on sustainable ecology, economy, and equity.

**SCD 597A Computers in Environmental Design**
Introduces digital tools used for landscape architecture and design thinking, including AutoCAD, graphics and image editing, 3-D modeling and animation, data management and integration. These applications and digital tools are integrated into various studios, beginning in the sophomore year.
**History Sequence (2 courses)**

Designers continue to be informed by the works that preceded them. Courses in this sequence provide students with knowledge of built works of the past and present and the social, economic, technological, and aesthetic forces that influenced their design and construction.

**SCD 543 History I Ancient to Medieval World**
Introduces students to the historic forces that have shaped the human-influenced environment from ancient civilizations to the Renaissance as manifested in particular environments. Students are expected to understand historic and geographical contexts, and cultural forces that have contributed to changes in the built environment.

**SCD 544 History II Renaissance to the Present**
Serves as a continuation of SusComm 543, from the Renaissance to the present. Emphasizes Europe and North America and landscape design traditions that have led to contemporary design movements. A ‘canon’ of specific works, individuals, and theories are studied in the context of their time and place. Students learn to see, analyze, and appreciate works of landscape design as the result of the artistic, cultural, and natural forces that have shaped them.
Resources

Library Resources

As a student in the Department of Landscape Architecture and Regional Planning (LARP) you will have access to an exceptional university library system. Support for your studies and research is provided through collections and services at two libraries. The 27-story W.E.B. DuBois Library, mainly an arts and humanities collection, also houses Government Documents, the Law Collection, Maps, Microforms, Course Reserves, Media, and Special Collections and Archives. Physical and natural sciences materials are found in the Integrated Science and Engineering Library located in the low-rise section of the Lederle Graduate Research Center.

The holdings of the University of Massachusetts Amherst Libraries include more than 5.9 million books, documents, and microfilms. In addition, the Libraries subscribe to approximately 14,500 serial titles. Nearly 300 electronic subscription databases, which locate millions of citations and full-text articles, may be accessed at the Libraries or from any remote location. Your University photo I.D. serves as a library card and allows for borrowing throughout the Five College Library system which include: Amherst, Hampshire, Smith, and Mt. Holyoke Colleges. The Interlibrary Loan provides service for students to borrow materials not owned by the Five Colleges free of charge.

The Learning Commons is an interactive area on the ground floor of the DuBois Library. Services offered include research and writing support, library services, technology help, as well as campus services in an environment that fosters informal, collaborative and creative work, and social interaction. A café is located in the Library lobby. Five days a week the Learning Commons is open 24 hours. More information regarding specific services available can be found at the website: http://www.library.umass.edu/learningcommons/

Madeleine Charney is the Reference Librarian for the Department of Landscape Architecture and Regional Planning. She is available by appointment and during drop-in sessions to provide one-on-one research consultations and classes on library research methods. She is knowledgeable in the numerous database resources and library materials available related to topics in our field. Of particular interest and value to students in our Department is the LARP Subject Research Guide, an online resource which serves as a starting point for library research: http://guides.library.umass.edu/landscape

Computers

The Department of Landscape Architecture and Regional Planning has one computer lab with 15 networked computers with a full suite of software including; Microsoft Office, Adobe CC, ArcGIS, AutoCAD and other rendering programs. This lab contains a black and white printer, a scanner, and a high-speed plotter. The Department also houses an Ethernet lab which contains 15 large-screen monitors and ethernet cables so that students may plug in their laptops to work with greater visibility and without wireless internet interruption. This lab also contains a black and white printer, a color printer, a scanner, and a plotter. The labs are open to all students in the department during the day with a key sign-out available for evening and weekend use. Wireless Internet is available throughout the campus.
There are eleven computers classrooms (both PC and Mac) throughout the University campus run by the Office of Information Technologies. Each classroom has either a black and white or color printer available to Pay-for-Prints. We also share a GIS Lab with Geosciences, Forestry and Wildlife Management.

Students are expected to have an UMass computer account. This provides e-mail and Internet access from any machine that has a direct (Ethernet) connection or a wireless connection. Information regarding UMass e-mail accounts can be found at http://www.oit.umass.edu.

Incoming students in the Landscape Architecture Program are required to have a laptop computer. More information can be found: http://www.umass.edu/larp/students/computer-guide

The University’s Office of Information Technologies oversees 11 PC and Mac computer classrooms across campus. Each classroom has either a black and white or color printer available via the Pay-for-Prints program. The Department also shares a GIS Lab with Geosciences, Forestry and Wildlife Management.

Students are expected to have access to their NetID & UMass computer account. This provides e-mail and Internet access from any computer with a direct (Ethernet) connection or a wireless connection to the University network. Information regarding UMass e-mail accounts can be found at http://www.oit.umass.edu.

**Lecture Series**

The Zube Lecture Series is an invaluable supplement the Departmental curriculum. This weekly lecture series brings local, regional, and national experts to campus Thursday afternoon during the fall and spring semesters. Speakers present their professional creative work or research or discuss current trends in the professions of design and planning. The lecture series occasionally features the work of student groups, faculty, and guest faculty.

Other departments and programs on campus also sponsor lectures and workshops of potential interest to our students. The Department keeps students informed of these enrichment opportunities through email and postings throughout the building.
Faculty

All Department faculty are engaged at some level in the Landscape Architecture program, and students in the program benefit enormously from exposure to the faculty’s diverse research interests and areas of specialization. In the close-knit community of the Department, students are encouraged to discuss their interests, studio projects, and other coursework with any member of the faculty.

Core Program Faculty

Ahern, Jack: Professor of Landscape Architecture. B.S. in Environmental Design, University of Massachusetts, 1974; M.L.A., University of Pennsylvania, 1980, PhD, Wageningen University, 2002. Teaches plants, landscape ecology, design studio, landscape urbanism, and landscape architecture study tour. Experience in private practice involving site and environmental planning and design. Research interests include: sustainable urbanism, landscape ecology for landscape planning design and management.

Aragón, Carolina is an artist and educator who uses public art to transform landscapes, engage communities, and teach students. She holds a Master of Landscape Architecture degree from the Harvard Graduate School of Design, and a Bachelor of Architecture from the Savannah College of Art and Design. Carolina’s professional practice in the field of landscape architecture focused on green infrastructure through the creative design of green roofs and sustainable stormwater projects.

Brabec, Elizabeth: Professor. BSc in Environmental Agriculture, and MLA University of Guelph, Canada; Juris Doctor, University of Maryland. Founded and managed the landscape planning firm, Land Ethics, Inc. in Washington, D.C. Teaches real estate law, public participation and leads international field studies programs. Research interests focused on land conservation and the design and planning of sustainable open space; culture and the historical basis of landscape form.
Carr, Ethan: Associate Professor of Landscape Architecture and Director of the Bachelor in Science in Landscape Architecture Program B.A., M.A. in Art History and Archaeology, Columbia University; M.L.A. Harvard Graduate School of Design; Ph.D. Edinburgh College of Art; Fellow, ASLA. Landscape historian and preservationist specializing in public landscapes. Has written two award-winning books, Wilderness by Design (1998) and Mission 66: Modernism and the National Park Dilemma (2007). Editor of Volume 8 of the Papers of Frederick Law Olmsted, 1882-1890. Worked previously for New York City Parks, National Park Service, and non-profit organizations and private design offices. Has taught previously at the Harvard GSD and the University of Virginia.

Clouse, Carey: Assistant Professor of Sustainable Urbanism. B.Arch, University of Oregon; SMArchS, Massachusetts Institute of Technology. Teaches landscape urbanism, design|build, and community-engaged architecture. Researches and has written about self-sufficiency, climate change adaptation and animal architecture; currently writing about the infrastructure of food security in post-Soviet Cuba.

Davidsohn, Michael: Senior Lecturer II of Landscape Architecture. Director of the Stockbridge Landscape Contracting Program. A.S. in Landscape Operations, 1986 Stockbridge School of Agriculture; B.S. in Environmental Design, 1988 University of Massachusetts; M.S. in Landscape Architecture, 1992 University of Massachusetts. Teaches small-scale landscape design, surveying, construction materials, and small business management as it relates to landscape contractors. Owner of design/build firm specializing in private garden construction.


McGirr, Patricia: Associate Professor of Landscape Architecture and Director of the undergraduate program in Environmental Design. B.S. in Architecture, University of Michigan, 1984; M.L.A., University of Michigan, 1994. Teaches design studios, landscape history, and introduction to the visual environment. Professional experience in both architecture and landscape architecture. Research interests include social, historical, and cultural aspects of landscape, particularly as they relate to gender.

Montenegro-Menezes, Flavia: Assistant Professor of Landscape Architecture and Regional Planning. PhD in Social Sciences, Regional Planning, and Environment (Agroparistech), and Master’s degree in development and integrated regional planning— within the UNESCO Chair on Sustainable Development—both in France. Teaches: sustainable planning, natural resource management and cultural heritage conservation. Research and outreach involve the correlations between cultural and biological diversity with regard to the human wellbeing and ecosystems resilience. Current research focuses on methodological frameworks for quantifying assessment metrics and bringing cultural diversity into planning models.
Ryan, Robert L.: Associate Professor of Landscape Architecture and Regional Planning. Director of the Dual Degree MLA/MRP Program. B.S.L.A., California Polytechnic State University-San Luis Obispo, 1985; M.L.A. and M.U.P., University of Michigan, 1995; Ph.D. in Natural Resources and Environment, University of Michigan, 1997. Teaches courses in open space planning and research methods. Research interests include environmental psychology and landscape planning.

Sleegers, Frank: Assistant Professor of Landscape Architecture. M.L.A., University of Massachusetts, 1995; Dipl–Ing, Hannover, Germany, 1996. Teaches design studios in landscape architecture design and urban design. A practicing landscape architect with an office in Hamburg, Germany. He has won competitions in urban design, parks, and plazas, and a special point of interest and research is the building and organizing of site specific ephemeral art work in urban environments.

Thurber, Jane: Lecturer of Landscape Architecture. B.A. in Studio Art and English, Hamilton College, 1980; Master of Landscape Architecture, Harvard University, 1985. Teaches landscape architecture studios and design drawing. Has practiced in Massachusetts, Florida, and New Mexico; and taught in Miami and Tampa. Professional work has focused on the design of public projects—plazas, parks, campuses, streetscapes, and playgrounds.

Volpe, Joseph S.R., Professor of Landscape Architecture. B.S. in Plant Science, University of California at Los Angeles, 1958; B.L.A., University of California at Berkeley, 1961; M.L.A., Harvard, 1964. Teaches courses and studios in landscape architecture design, including a foundation studio on landscape media and the definition of garden and landscape space, the studio in urban design, and seminars on current issues in planning and design. Has developed a system of teaching using a sequence of three-dimensional spatial models to understand the media of the landscape, landform, water, plants, and structures and to design human spatial experiences. Professional work includes both public and private practice in South America, New Zealand, France and North America on projects ranging from large-scale design to gardens. Professor Volpe explores the dynamics of landscape architecture as an art form and as a political and community process.
Additional Department Faculty

**Di Pasquale, Michael:** Extension Assistant Professor. Master in Regional Planning UMass Amherst; Master in Architecture Washington University in St. Louis; BA Architecture University of Detroit. Michael Di Pasquale, AIA, is a registered architect and urban planner. He was part-owner of Davis Square Architects in Somerville, Massachusetts for over 12 years. While there his work emphasized urban design and mixed use developments, including housing for persons with special needs. His designs include one of the first housing developments in the nation for persons with AIDS. He is currently working on the design of a mixed use development in Northampton, Mass in association with Davis Square Architects.

**Hamin, Elisabeth M:** Department Head and Associate Professor of Regional Planning. B.A. in Business Administration, Cleveland State University; Masters of Management, Northwestern University; PhD in City and Regional Planning, University of Pennsylvania. Teaches growth management, climate change planning, real estate planning and regional planning studio. Current research into the planning adaptation and mitigation of climate change impacts to local communities and sustainable community development.

**Hamin, Mark:** Lecturer in Regional Planning and Director of the Master of Regional Planning Program. B.A. History and B.A. Philosophy, Brown University; PhD History and Sociology of Science, University of Pennsylvania. Teaches urban history and theory. Research includes: the influence of life sciences on planning; urban infrastructure and ecological history; social, economic and cultural perspectives on environmental risk, security, and ‘quality of life’ in cities; and technologically-transformed food ecologies/economies.

**Mullin, John:** Professor of Regional Planning, Director of the Center for Economic Development, and former Dean of the Graduate School. B.A. in Government, Massachusetts, 1967; M.R.P., Community Planning and Area Development, Rhode Island, 1969; M.S.B.A., Boston University, 1972; PhD, Urban and Regional Planning, University of Waterloo, Ontario, 1975. Author of more than 100 articles on economic development, industrial planning and downtown revitalization.

**Pader, Ellen:** Associate Professor of Regional Planning and Director of the JD/MRP Program. B.A. in Art History and English, Kenyon College, 1972; PhD in Anthropology, Cambridge University, 1981. Teaches social issues in planning from inter-ethnic and cross-cultural perspectives, including: identifying discriminatory practices on the basis of ethnicity, race, gender and class; social change; housing policy and social policy. Major area of research is the cultural, social, and political facets of housing policy and design.

**Ramsey-Musolf, Darrel:** Assistant Professor of Regional Planning. PhD, Housing Policy and Analysis, UW-Madison, 2013; MURP, Cal Poly Pomona, 2004; MPA, Suffolk University, 2000; BA, Dance, UCLA 1990. As an instructor, his courses (e.g., Planning Studio, Housing, Land-Use/Growth Management) will reflect his research interests, including: Urban Morphology (i.e., cities, housing, infill, and redevelopment), Regionalism (i.e., inter-
governmental relations, urban containment), Planning Praxis (i.e., private capital, public interest, and political will; balancing theory and practice)

**Renski, Henry**: Assistant Professor of Regional Planning and Director of the PhD in Regional Planning Program. PhD, University of North Carolina, Chapel Hill, 2006. MRP, University of North Carolina, Chapel Hill, 1998. B.A., University of Southern Maine, 1995. Former Special Assistant to the Governor of the State of Maine in Economic Development. Teaches GIS and economic development. Research focuses on understanding the forces driving regional economic competitiveness and transformation, and building upon this knowledge to improve the effectiveness of economic development policy.

**Visiting and Adjunct Faculty**


**Finn, John T.**: Professor of Wildlife and Fisheries, Biology and Forestry, and Adjunct Professor of Regional Planning. B.S. in Biology, Georgetown University, 1970; Ph.D. in Ecology, University of Georgia, 1977. Current interests include geographic information systems, digital remote sensing, population models (whale, bears) and construction of spatial computer models of landscape change.


**Kidwell, Jeanne M.** Adjunct Professor of Landscape Architecture. B.S., History, Northeastern University, 1980; M.L.A., University of Massachusetts, 1985. Assistant Director, Office of Community Development, City of Chicopee.
Loomis, David K.: Associate Professor of Wildlife and Fisheries and Adjunct Associate Professor of Regional Planning. PhD in Recreation Resource Development, Texas A&M University, 1988. Focus on the human dimensions of natural resource management as it relates to outdoor recreation.


Moriarty-Lempke, Maureen: Adjunct Lecturer of Regional Planning. B.A. English, University of Vermont; M.R.P. and PhD, Regional Planning, University of Massachusetts. Curriculum Development Assistant, Lincoln Institute of Land Policy.


Shulder, Paul W.: Professor of Civil and Environmental Engineering and Adjunct Professor of Regional Planning. B.S. and M.S. in Civil Engineering, University of Illinois, Urbana, 1951, 1953; PhD in Transportation Engineering, University of California, Berkeley, 1960. Research in applications of video and machine vision technologies to transportation planning and traffic management.

Taupier, Richard: Adjunct Associate Professor B.A. Philosophy, M.S. Resource Economics, PhD Regional Planning, University of Mass. Principal interests the economics of sustainable development, and regional development within newly emerging democracies.