LAA 3230: Theories of Landscape Architecture

Department of Landscape Architecture University of Florida Fall 2024

SYLLABUS

I. General Information

CLASS MEETINGS: 100% In-Person, Tuesdays Period 7 (1:55-2:45 PM) and

Thursdays periods 7-8 (1:55-3:50 PM)

CLASS LOCATION: RNK 210

CREDITS: 3 Credits

INSTRUCTOR: Nicholas Serrano, Ph.D.

OFFICE: ARCH 430

HOURS: Wednesdays 8:00 - 10:00 AM

nicholas.serrano@ufl.edu

COURSE DESCRIPTION

Landscape is a uniquely human construct and complex medium of cultural values that underpins design and everyday life in the built environment. It is an interdisciplinary medium that spans the arts, humanities, architecture, and science. Landscape practices have disrupted disciplinary boundaries between art, landscape, architecture, and environmental sciences and forced each to expand and redefine its own terms, field of operations, and image. This course explores the hermeneutics of landscape as medium, vocabulary, and practice particular to the processes of urbanization in the modern era.

The purpose of this course is to develop an understanding of the theoretical framework of the discipline and practice of landscape architecture through an exploration of key philosophies and concepts that have informed or guided the field. This allows students to develop and articulate their own theoretical framework to guide their planning and design decisions. This course addresses primarily aesthetic and cultural principles and values; however, related ecological and social aspects will also be addressed. LAA 3230 is an organized forum for discussion and exploration of current theoretical issues, thus providing a philosophical and critical basis for future and concurrent design studios as well as providing a broader and deeper exploration of theoretical models introduced in previous lecture and design courses. This is a discussion-based class based on assigned readings.

PREREQUISITE KNOWLEDGE AND SKILLS

Students are required to have completed LAA 2710: History of Landscape Architecture. Students are expected to have a foundational knowledge of the landscape architecture history and design.

REQUIRED READINGS AND WORKS

All required readings are either available electronically through the University of Florida Libraries or will be provided on CANVAS.

II. Student Learning Outcomes (SLOs)

Each student in the LA program is expected to continuously develop:

- a range of approaches (creative, cultural, and/or historic) to create spatial and temporal landscape compositions, and
- thoughtfully provide, receive, and respond to feedback and critique as part of iterative design decision making.

At the end of this course, students will be expected to have achieved the following development level course learning objectives (CLOs) under the program SLO headings as follows:

CONTENT

- **SLO 1** Integrate concepts from the general body of knowledge of the profession of landscape architecture in design decision-making.
- CLO 1 Summarize key theories of landscape architecture that influence design decision making in the built and natural environment.
- **SLO 3** Apply ethical understanding to design decision-making.
- CLO 2- Apply ethical and professional principles and considerations in obligations to clients, communities, the public, and landscape environment.
- CLO 3 Interpret and apply knowledge from other disciplines, professions, and perspectives to design decision making.

CRITICAL THINKING

- **SLO 4** Combine and analyze information from multiple sources to support design decision-making.
- CLO 4 Examine ideas that are grounded in the natural, physical, and social sciences that address and balance aesthetic, environmental, and social issues and goals.
- CLO 5 Connect the diverse social, cultural, economic, political, and scientific factors that shape the field of landscape architecture, both within North America and globally.
- CLO 6 Characterize how behavioral sciences impact design decision making in landscape architecture.

COMMUNICATION

- **SLO 5** Produce professional visual, oral, and written communications.
- CLO 7 Present professional oral communications to defend ideas.
- CLO 8 Present professional written communications to defend ideas.

III. Graded Work

DESCRIPTION OF GRADED WORK

Discussion Participation (30% of total grade)

Students are expected to regularly complete assigned readings before class and actively contribute to class discussions. The instructor will occasionally provide questions/prompts for the class to consider ahead of time, but students should always arrive to class with questions or discussion points of their own. Periodic in-class activities and Precedent Presentations will also count as part of this grade.

Readings/Lecture Responses (30% of total grade)

Students are required to submit written responses to assigned readings and lectures on 4 occasions throughout the semester. These response papers should be 400-600 words in length and actively engage with the readings.

<u>Semester Paper and Presentation (40% of total grade)</u>

Students will research a topic chosen from a list provided by the instructor. Students will deliver a presentation to their classmates at the end of the semester and will submit individual papers.

The graded work assesses the course learning objectives as follows:

	LAA 3230 – Course Learning Objectives (CLOs)							
	SLO 1	SLO 3		SLO 4			SLO 5	
Assessment	1	2	3	4	5	6	7	8
Discussion Participation							Χ	
Reading/Lecture Responses		Х		Х				Х
Paper/Presentation			Х				Х	Х
Learning Assessments	Х				X	Χ		

GRADING SCALE

For information on how UF assigns grade points for graduate courses, consult the UF Graduate Catalog.

Α	93 – 100%	С	73 – 77%
A-	90 – 92%	C-	70 – 72%
B+	88 – 89%	D+	68 – 69%
В	83 – 87%	D	63 – 67%
B-	80 – 82%	D-	60 – 62%
C+	78 – 79%	E	<60

As per department policy, Landscape Architecture Majors must receive a C or better to move forward. Any grade lower than a **C** will require that the course be taken over again. Please also note that according to the <u>UF Graduate Catalog</u>, "[t]he only passing grades for graduate students are A, A-, B+, B, B-, C+, C, and S. Grades of B-, C+ or C count toward a graduate degree if an equal number of credits in

courses numbered 5000 or higher have been earned with grades of B+, A- and A, respectively...Letter grades of C-, D+, D, D- or E are not considered passing at the graduate level..."

All student work may be retained and used by the Department of Landscape Architecture. Digital copies of student work for this course must be turned in at the completion of each assignment. Please follow the directions given by the instructor as to how they will be submitted (e.g., Canvas, CD, PDF, word file, etc.). If an assignment is required to be scanned, it must be scanned; photographs of assignments are not acceptable. If a multipage PDF is requested, do NOT submit each page as a separate PDF. It must be submitted as one file. Point deductions on the assignment may result from not following submittal directions or providing incorrect submittal or file formats.

Assignments are expected to be submitted at the beginning of class on the specified due date. The deadline is a hard deadline; no exceptions will be made for scanning, computer related issues, uploading, et cetera. Assignment submissions may be updated and re-uploaded to the Canvas site as needed prior to a submittal deadline. Once the deadline has passed for an assignment and a submission has been made, additional submittals are not guaranteed to be accepted. If the updated, late submittal is accepted, the entire submittal will be considered late and points will be deducted based on the date of the late submission. In addition, it is the student's responsibility to ensure that a submission is complete; missing items will not be given credit.

IV. Tentative Schedule

Week	Topics, Homework, and Assignments
Week 1 Aug. 22 nd	 Topic: Course Introduction; What is Landscape? Required Readings: John Wylie, "Introduction." In Landscape, pgs.1-11. NYC: Routledge, 2007; Meinig, D.W. "The Beholding Eye: Ten Versions of the Same Scene." In J.B. Jackson and D. W. Meinig, eds. The Interpretation of Ordinary Landscapes (New York: Oxford University Press, 1979), pp. 1-9. Further Readings: John Dixon Hunt, "What on Earth is a Garden?" Greater Perfections: The Practice of Garden Theory, Philadelphia, University of Pennsylvania, 2000, pp. 14-31. Assignment: Discussion post 1 due August 27th.
Week 2 Aug. 27 th /29 th	 Topic: Landscapes of Modernity Required Readings: David Scobey, "Anatomy of the Promenade: The Politics of Bourgeois Sociability in Nineteenth-Century New York." Social History 17, no.2 (1992): 203-227; Thomas Fisher, "Frederick Law Olmsted and the Campaign for Public Health," Places Journal, November 2010. https://doi.org/10.22269/101115 Further Readings: Adam Gopnik, "Olmsted's Trip: How did a news reporter come to create Central Park?" The New Yorker (March 31, 1997): 96-103; Schenker, Heath Massey. "Parks and Politics During the Second Empire in Paris." Landscape Journal 14.2 (Fall 1995), pp. 201-219.; Grumbach, Antoine. "The Promenades of Paris." In Oppositions (Spring, 1977), pp. 49-67; Assignment: Reading Reflection 1 due

Week	Topics, Homework, and Assignments
Week 3 Sept. 3 rd /5 th	 Topic: Landscape as City and Region Required Readings: Pierre Clavel, "Ebenezer Howard and Patrick Geddes: Two Approaches to City Development." In Garden City to Green City: The Legacy of Ebenezer Howard. Parsons, Kermit C., David Schuyler, editors. p. 38-57. Baltimore: Johns Hopkins University Press, 2002. Further Readings: Peter Hall, "The City in the Region." In Cities of Tomorrow: An Intellectual History of Urban Planning and Design Since 1880, pgs.151-188 Malden, MA.: Wiley Blackwell, 2014; Patrick Geddes, "The Valley Plan of Civilization." The Survey LIV, (1925): 288-90, 322-25; Assignment: Precedent presentation for NY Regional Plan, TVA, and Boston Parks System
Week 4 Sept. 10 th /12 th	 Topic: Landscape as Community Required Readings: Jason Brody, "The Neighborhood Unit Concept and the Shaping of Land Planning in the United States, 1912-1968." Journal of Urban Design 18, no3 (2013): 340-62; Jane Jacobs, "Downtown is for People," Fortune 57/4 (April 1958), pp. 133-139 Assignment: Precedent presentations for Ebenezer Howard, Clarence Stein, and Jane Jacobs
Week 5 Sept. 17 th /19 th	 Topic: Landscape as Ecology Required Readings: Ervin Zube, "The Advance of Ecology." Landscape Architecture Magazine 76, no. 2 (March/April 1986): 58-67; Adam Rome, "William Whyte, Open Space, and Environmental Activism." Geographical Review 88 no.2 (1998) Further Readings: Holling, C.S. and M.A. Goldberg, "Ecology and Planning." Journal of the American Institute of Planners 37, no.4 (1971): 221-230; Assignment: Precedent presentations for Ian McHarg, Phil Lewis, and Benton MacKaye
Week 6 Sept. 24 th /26 th	 Topic: Landscape as Art (Postmodernism) Required Readings: John Beardsley, "Earthworks: The Landscape after Modernism." In Denatured Visions: Landscape and Culture in the Twentieth Century, ed by Stuart Wrede and Willima Howard Adams MoMA 1991. Pgs. 110-117; Julia Czerniak, "Challenging the Pictorial: Recent Landscape Practice" Assemblage No. 34 (Dec 1997), 110-120 Further Readings: Allison Young, "Re-Mapping Land Art: Earthworks, Borderlands, Ecology." https://smarthistory.org/reframing-art-history/re-mapping-land-art-earthworks-borderlands-ecology/); Mary Miss, "On the Redefinition of Public Sculpture." Prespecta 21 (1984): 52-69; Assignment: Precedent presentation for Mary Miss, Christo and Jean Claude, Robert Smithson, James Turell, Nancy Holt, Walter De Maria, Richard Serra, Michael Heizer, Herbert Bayer, Robert Irwin, Andy Goldsworthy
Week 7 Oct. 1st/3rd	 Topic: Landscape as Urbanism (Contemporary) Note: Note that class on October 3rd will be virtual.

Week	Topics, Homework, and Assignments
	 Required Readings: James Corner, "Terra Flexus." In Landscape Urbanism Reader, ed Charles Waldheim. NYC: Princeton Architectural Press, 2006. pp.22-33; Elizabeth Mossop, "Landscapes of Infrastructure." In Landscape Urbanism Reader, ed Charles Waldheim. NYC: Princeton Architectural Press, 2006. Assignment: Precedent presentation for Parc de la Villette, Duisburg-Nord, Fresh Kills Park, and Downsview Park
Week 8 Oct. 8 th /10 th	No Class: LA Field Trip Week
Week 9 Oct. 15 th /17 th	 Topic: Urban Ecology Required Readings: Pickett, et.al., "Urban Ecological Systems: Linking Terrestrial, Ecological, Physical, and Socioeconomic Components of Metropolitan Areas." Annual Review of Ecology and Systematics 32. No.1 (2001): 127-157; Marc A. Weiss, "The Origins and Legacy of Urban Renewal," in Urban and Regional Planning in an Age of Austerity, eds. Pierre Gavel, John Forester, and William W Goldsmith (NYC: Pergamon Press, 1980), 53-80 Further Readings: Moses, Robert. "Building America's Post War Highways" Science Digest 19(2) 1946: 5-9; Vincent Scully, 1963. "The Death of the Street" Perspecta Vol. 8: 91-96 Assignment: Precedent presentations for Roger Ulrich, William Whyte; Group Project proposals due Oct. 15th
Week 10 Oct. 22 nd /24 th	 Topic: Landscape as Race Required Readings: George Lipsitz, "The Racialization of Space and the Spatialization of Race: Theorizing the Hidden Architecture of Landscape." Landscape Journal 26, no.1 (2007): 10-23 Further Readings: Richard Schein, "Urban Form and Racial Order." Urban Geography 33, no.7 (2012): 942-960; Assignment: Reading/Discussion reflection due Oct. 29th.
Week 11 Oct. 29 th /31 st	 Topic: Ecocriticism Required Readings: William Cronon, "The Trouble with Wilderness, or, Getting Back to the Wrong Nature," <i>Environmental History</i>, 1:1 (January 1996), 7-55 Assignment: TBD
Week 12 Nov. 5 th /7 th	 Topic: Environmental Justice Required Readings: Laura Pulido (2000) Rethinking Environmental Racism: White Privilege and Urban Development in Southern California, Annals of the Association of American Geographers, 90:1, 12-40; Christopher G. Boone, Geoffrey L. Buckley, J. Morgan Grove & Chona Sister. "Parks and People: An Environmental Justice Inquiry in Baltimore, Maryland." Annals of the Association of American Geographers 99, no.4 (2009): 767-787. Assignment: Precedent presentation for Cancer Alley
Week 13 Nov. 12 th /14 th	 Topic: Landscape Colonialism Required Readings: Tiffany Kaewen Dany, "Decolonizing Landscape." Landscape Research 46, no.7 (2021): 1004-1016; Smith, Paul Chaat. (2009). "The Ground

Week	Topics, Homework, and Assignments				
	 Beneath Our Feet." In Everything You Know About Indians Is Wrong. University of Minnesota Press: 53-63 Further Readings: W.J.T. Mitchell, "Imperial Landscape." In Landscape and Power, pgs.5-34. Chicago: University of Chicago Press, 2002. Assignment: Group Project drafts due Nov. 12th 				
Week 14 Nov. 19 th /21 st	 Topic: Landscape and Memory Required Readings: Clint Smith, "Monuments to the Unthinkable." The Atlantic 330, no.5 (December 2022): 22-41; Upton, Dell "Confederate Monuments and Civic Values in the Wake of Charlottesville" in SAH Blog (13 September 2017), http://www.sah.org/publications-and-research/sah-blog/sah-blog/2017/09/13/confederate-monuments-and-civic-values-in-the-wake-of-charlottesville; Further Readings: Paul A. Shackel, "Introduction: The Making of the American Landscape." In Myth, Memory, and the Making of the American Landscape, 1-16. Gainesville, University of Florida Press, 2001 Assignment: Precedent presentation for Vietnam Veterans Memorial, UVA Memorial, Richmond Memorial Ave.; Reading/Discussion Reflection due Dec. 3rd. 				
Week 15 Nov. 26 th /28 th	No Class: Thanksgiving Break				
Week 16 Dec. 3 rd	 Topic: Group Presentations Required Readings: N/A Assignment: N/A 				
Final	December 15 th , 12:30-2:30 p.m.				

VI. Required Policies

ATTENDANCE POLICY

<u>Attendance is mandatory.</u> Students are expected to arrive on time. Acceptable reasons for excused absences are as follows:

- Illness
- Serious family emergency
- Special curricular requirements (e.g., judging trips, field trips, professional conferences)
- Military obligation
- Severe weather conditions
- Religious holidays
- Participation in official university activities such as music performances, athletic competition or debate.
- Court-imposed legal obligations (e.g., jury duty or subpoena)

If necessary, students shall be permitted a reasonable amount of time to make up material or activities covered in their excused absence; however, absences do not affect project deadline dates unless prior arrangements have been made.

The instructor will not provide the student notifications regarding absences and tardiness. You may email the instructor should you have any questions regarding your attendance. Please schedule an office meeting for any discussions regarding attendance, tardiness, and late assignments. Do not discuss these issues with the instructor during class time.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

STUDENTS REQUIRING ACCOMMODATION

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting https://disability.ufl.edu/students/get-started/. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

UF EVALUATIONS PROCESS

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

UF GRADUATE ACADEMIC HONESTY POLICY¹

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following Honor Pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g., assignments, papers, quizzes, exams). As such, Gators do not cheat, plagiarize, bribe, misrepresent, conspire, or fabricate. Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations

¹ Taken directly from the UF Graduate Catalog at https://gradcatalog.ufl.edu/graduate/regulations/

of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action.

Academic Integrity requires graduate students to:

- 1. Appropriately acknowledge the work of others, in conducting and reporting one's own research;
- 2. Be academically honest, in representing one's academic work according to the research standards and methodology that are appropriate for her field of study;
- 3. Use their own work in research and graded coursework, not inappropriate and un-cited materials, or work produced by a third-party
- 4. Conduct responsible research which complies with federal laws, and promotes open and active scientific and knowledge inquiry;
- 5. Treat other students with respect, to ensure their right to pursue their educational goals without interference

To understand the University's expectations regarding academic integrity, view the Dean of Students Academic Integrity Module.

COUNSELING AND WELLNESS CENTER

Contact information for the Counseling and Wellness Center: http://www.counseling.ufl.edu/, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

COURSE MATERIALS AND IN-CLASS RECORDINGS

The digital course materials provided on Canvas (e.g., lectures, assignments, quizzes, et cetera) are provided for personal study and are not intended for distribution by electronic or other means. Further distribution or posting on other websites is not permitted.

Our class sessions may be audio visually recorded. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who participate orally are agreeing to have their voices recorded.

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

VI. Resources

Journals

Landscape Architecture Journals

- Landscape Journal
- Journal of Landscape Architecture
- Landscape Research
- Landscape and Urban Planning
- Studies in the History of Gardens and Designed Landscapes
- Topos

Geography Journals

- Progress in Human Geography
- Annals of American Association of Geographers
- Cultural Geographies
- Antipode
- Area
- Geoforum
- Geohumanities
- Environment and Planning D

Art Journals

- Art in America
- Art Bulletin
- Art Journal
- Artforum
- Grey Room
- October

Planning Journals

- Journal of the American Planning Association
- Planning Perspectives
- Journal of Planning Literature
- Journal of Planning Education and Research
- Journal of Planning History
- Journal of Urban History

Architecture Journals

- Journal of Architectural Education (JAE)
- Journal of Architectural and Planning Research
- Technology | Architecture + Design
- Harvard Design Magazine
- Journal of Architectural Historians
- Buildings & Landscapes
- Journal of Urban Design
- Places Journal

Other Important Journals

- Nature
- Science
- BioScience
- New England Journal of Medicine
- Journal of the American Medical Association

Landscape Architecture Institutions

The Big Three

American Society of Landscape Architecture (ASLA) Landscape Architecture Foundation (LAF) The Cultural Landscape Foundation (TCLF)

Other Important LA Institutions in USA

Council of Landscape Architecture Registration Boards (CLARB)
Landscape Architectural Accreditation Board (LAAB)
Black Landscape Architecture Network
National Association of Minority Landscape Architects (NAMLA)
WxLA (Women in Landscape Architecture)

International Landscape Architecture Institutions

International Federation of Landscape Architects (IFLA)

Landscape Institute (LI)

Canadian Society of Landscape Architects (CSLA)

Council of Educators in Landscape Architecture (CELA)

European Council of Landscape Architecture Schools (ECLAS)

Important Allied Organizations

American Planning Association (APA)

American Institute of Architects (AIA)

International Society of Arboriculture (ISA)

National Complete Streets Coalition

US Green Building Council (USGB)

National Recreation and Parks Association

Urban Land Institute (ULI)

National Association of Landscape Professionals

Landscape Architecture References

General Landscape Architecture Reference Books

Oxford Companion to the Garden

250 Things and Landscape Architect Should Know (Ivers, 2021)

Site Planning and Design Handbook, 2nd Edition (Russ, 2023)

Site Analysis, 3rd Edition (LaGro, 2013)

Site Planning (Lynch and Hack, 1984)

Landscape Technology and Construction References

Time-saver Standards for Landscape Architecture, 2nd Edition (Harris and Dines, 1997)

Landscape Architectural Graphic Standards (Hopper, 2006)

Landscape Architectural Graphic Standards, Student Edition (Hopper, 2007)

Constructing Landscape: Materials, Techniques, Structural Components (Zimmermann, 2015)

Landscape Architecture Documentation Standards (Design Workshop, 2015)

Sustainable Stormwater Management (Liptan and Santen, 2017)

The Sustainable Sites Handbook (Calkins, 2012)

Materials for Sustainable Sites (Calkins, 2008)

Sustainable Landscape Construction, 3rd Edition (Sorvig and Thompson, 2018)

Site Engineering for Landscape Architects (Strom et.al., 2013)

Landscape Grading: A Study Guide for the LARE, 2nd Edition (Aymer, 2020)

Landscape Performance Series Case Study Briefs (https://www.landscapeperformance.org/case-study-briefs?op)

Landscape History References

Keywords in American Landscape Design (O'Malley, et.al., 2010)

Pioneers of American Landscape Design (Birnbaum et.al., 2000)

Library of American Landscape History

Dumbarton Oaks Research Center and Library

Dictionary of Human Geography