



INTERNATIONAL HONORS PROGRAM

comparative study around the world

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International Honors Program Cities in the 21st Century

Urban Planning and Sustainable Environments (UP&SE) URST 3500 (4 Credits) Fall 2009

Course Overview

As sustainability has evolved both as a concept and a practice, it is increasingly integrated with urban planning and city building, finding expression in all corners and phases of planning processes. This course will cover a series of traditional city planning topics, exploring how each of them can contribute to the overall sustainability (environmental, economic and social) of an urban environment. Throughout the course, the focus will be on the physical city, and the impact of its forms, patterns, and layout on its users and inhabitants.

These physical characteristics, including land use, infrastructure, and the relationship between built and natural environment, are shaped by a complex web of political, economic, social, and cultural conditions and decisions. Students will find that issues, concepts, and approaches studied in UP&SE relate closely to those covered in Urban Politics and Development (P&D) and Culture and Society (C&S), and that the readings and discussions in all three courses are closely interlinked, providing a comprehensive, integrated framework for analysis of contemporary urban issues.

Course Objectives

- To provide an understanding of the interrelationships between various elements or functions of the city and between cities and the natural environment;
- To instill appreciation for the role that planning can play in promoting socially, economically and environmentally sustainable development, and;
- To enhance listening, observation, critical thinking, communication, collaboration and facilitation skills.

Students are asked to consider the following questions throughout the semester: (a) Is it possible to achieve environmental sustainability on the planet and at the same time alleviate urban poverty and inequality in the global south? (b) What role can planning play in promoting environmentally sustainable and equitable urban development?

Course Methodology

Although some time will be devoted to lectures, this course is primarily about learning from experience - walking neighborhoods, conducting interviews, observing street life, discussing issues, and documenting and analyzing conditions in each city, and developing ideas for planning interventions. Emphasis is placed on interpretation and application of information, and development of approaches and skills that can be applied not only in the field of urban planning but to life in general. Programmatic activities of IHP, including faculty sessions, site visits, guest lectures and home-stays, are considered an integral and essential part of the course.

Course Components

Sessions: This course is structured upon faculty-led roundtable discussions and seminars as well as guest lectures, site visits, workshops and presentations in order to provide a diverse range of learning experiences and maximize resources and opportunities in each city. Course sessions will be held at various locations, both in the field and in meeting room or classroom settings.

Readings: Readings provide the lens through which to observe, reflect, analyze and discuss local conditions, and a theoretical basis for understanding planning and sustainability concepts, issues and approaches. Students are expected to complete **required** readings prior to each session and reference them in class discussions and assignments. Required readings, compiled in individual course readers, will be distributed at the start of each country program. Thematic readings, listed thematically on page 7, are provided for further reference.

Assignments: There are three assignments in the UP&SE course: ecological footprints, the Cape Town Report, and city plan development. Each assignment counts for a certain number of points out of a total of one hundred, as indicated below. Points are also allocated for participation. A separate assignment sheet, providing background information and a detailed description of the work required, will be distributed for each assignment. It is expected that students will draw on site visits, guest lectures, and their own observations in addition to the course material provided through UP&SE to complete these assignments.

Ecological Footprints (20 points) – India

In this assignment, students will assess the ecological footprints of different development types. Students will observe and record various characteristics of two neighborhoods in Dehli, and evaluate through a short written memo, how each the ecological footprints of these neighborhoods compare.

Cape Town Report (25 points) – South Africa

Each student will submit a report near the end of the Cape Town segment of the program highlighting the role of planning in shaping development and promoting a sustainable urban environment. This assignment will include a written component, as well as the graphic tools practiced in the first assignment, and other visual and graphic documentary and analysis.

Plan Development (35 points) – Argentina

Learning to read and interpret your urban surroundings allows you to think critically about cities. Identifying the forces that shape the built environment provides the foundation for altering those forces and reshaping the city and making it better. Each student will develop a plan for a site in Buenos Aires, using written and visual tools to illustrate proposed improvements.

Participation (20 points)

Based upon attendance and active engagement in class discussions, case studies, group presentations; completion of assigned readings; ability to work collaboratively with fellow students, faculty and others; and individual effort. Participation is more than just showing up or speaking out; it means that you actively contribute to the intellectual growth of the class. *Integration of information from other sources, field visits, guess lectures, observations from daily experience, other classes should be brought here into class discussions.*

Grading System

Faculty will give grades in the form of points and will return assignments with written comments. Faculty will describe the range of points received for the assignment so that a student will know how his/her work compares with the rest of the class. At the end of the semester, your cumulative point score will be calculated in order to determine the final letter grade for the course. Point grades on individual assignments are not directly correlated to letter grades. The final letter grades will be determined on the basis of cumulative points on assignments completed across countries.

For *final* grades in IHP *Cities* courses it is useful for both faculty and students to think of letter grades in the following way. An "A" represents truly outstanding work that exemplifies thorough analysis, superior insight, and crystal clear presentation. A "B" signifies highly competent work that accomplishes the task at hand very well, through considerable thought, reasonable analysis, and an organized presentation. A "C" represents adequate work that meets basic requirements but demonstrates no distinction in terms of analytical insight or organization. A "D" is characterized by poorly or partially completed work that reflects a lack of initiative,

inconsistent analysis, and/or erratic presentation. Plus and minus indicate relatively better or poorer work within each category. There is no A+.

Course Policies

Attendance and Participation: All students are expected to be present at every class session, with the only exceptions being illness (written note required from a non-IHP adult, e.g. homestay parent, or preferably, health care professional). Unexcused absences and habitual lateness *will* result in penalties reflected in your participation grade. Please inform the instructor if tardiness is anticipated. **All students are expected to come to class on time.**

Late work: In keeping with IHP policy, assignments handed in late will drop one point per day, unless permission is granted otherwise. Course assignments are due at the start of the day on the due date.

Plagiarism: All students are responsible for having read the IHP statement on plagiarism, which is available in the IHP Student Handbook. Students are advised that the penalty on IHP for plagiarism may be "...expulsion from the program or such other penalty as may be recommended by the Program Director, subject to approval by the Executive Director."

Refer to the Student Handbook for IHP policies regarding academic integrity, academic warning and probation, diversity, disability, harassment protocols, and the academic appeals process.

The International Honors Program is offered in affiliation with the School for International Training, the accredited higher education institution of World Learning.

Course Chronology

Topics covered in each module will draw on site visits, guest lectures, and other activities, in addition to the assigned readings. The order of the modules may be rearranged to respond to activities or opportunities presented in the Country Programs.

DETROIT, USA

24 August – 6 September 2009

Getting to Know the City

Automobile cities; Urban sprawl; Scale and density; Environmental, social and economic impacts of sprawl

- Jacobs, Allan. 1985. "Starting to Look" in *Looking at Cities*, Cambridge: Harvard University Press. pp. 1-13
- Flint, Anthony. 2006. "Grids and Greenfields," from *This Land: The Battle over Sprawl and the Future of America*, Baltimore: Johns Hopkins University Press, pp.19-39
- Jackson, Kenneth T. 1985. "The New Age of Automobility," in *Crabgrass Frontier*, New York: Oxford University Press. pp. 157-189

DEHLI, INDIA

7 September – 4 October 2009

The Shape of Growing Cities and Sustainability - I

Urbanization; globalizing cities; ecological footprints

- Newman, Peter and Isabella Jennings. 2008. "Chapter 4: Ecological Footprints," in *Cities as Sustainable Ecosystems*, Washington D.C.: Island Press. pp 80-91
- Marcuse, Peter. 2008. "Globalization and the Forms of Cities," in Jenks, Mike, Daniel Kozak and Pattaranon Takkanon, eds., *World Cities: Polycentric, Fragmented, Sustainable?* London: Routledge Taylor Francis Group, pp. 25-40
- Gilbert, Alan. 2003. "Is Development in the Third World Sustainable?" in Luigi Fusco Girard, Bruno Forte, Maria Cerreta, Pasquale De Toro, Fabiana Forte, eds., *The Human Sustainable City*, Burlington: Ashgate, pp. 72-88

Transportation

Transportation; sustainability

- Newman, Peter and Isabella Jennings. 2008. "Chapter 5: Modeling Cities on Ecosystems," in *Cities as Sustainable Ecosystems*, Washington D.C.: Island Press, pp 125-133
- Cervero, Robert. 2004 [1998]. "Transit and the Metropolis: Finding Harmony," in Stephen M. Wheeler and Timothy Beatley, eds., the *Sustainable Urban Development Reader*, New York: Routledge. pp 89-96
- Mohan, Dinesh and Geetam Tiwari. June 19-25, 1999. "Sustainable Transport Systems: Linkages between Environmental Issues, Public Transport, Non -Motorised Transport and Safety," in *Economic and Political Weekly*, Vol. 34, No. 25. pp. 1589-1596
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Utopian Cities and Modernism (Chandigarh)

Planned cities; utopian cities; Modernism; monumentality; human scale

- LeGates, Richard T. and Frederic Stout. 2008 [1998]. "Modernism and Early Urban Planning," from *Early Urban Planning 1870-1940*, in Eugenie L. Birch, ed., *The City and Regional Planning Reader*, New York: Routledge. pp. 59-65
- Le Corbusier. 1996 [1929]. "A Contemporary City" from *The City of Tomorrow and its Planning*, in Richard T. LeGates and Frederic Stout, eds., *The City Reader*, London: Routledge. pp. 367-375
- Jacobs, Jane. 2005 [1961]. "The Uses of Sidewalks: Safety," in Richard T. LeGates, ed., *The City Reader*, New York: Routledge. pp. 114-118
- Bell, Melissa A. August 30, 2008. "The Chandigarh Dream," posted on www.livemint.com.

CAPE TOWN, SOUTH AFRICA
Urban Form—Spatial Segregation and Access

5 October – 8 November 2009

Segregation; fragmentation; equity

- Saff, Grant R. 1998. "Urban Change in Cape Town during the Political Transition," in *Changing Cape Town: Urban Dynamics, Policy and Planning During Political Transition*, Oxford: University Press of America. pp. 81-120
- powell, john. 2002. "Sprawl, Fragmentation and the Persistence of Racial Inequality; Limiting Civil Rights by Fragmenting Space," in Gregory D. Squires, ed., *Urban Sprawl: Causes, Consequences, and Policy Responses*, Washington D.C.: The Urban Institute Press. pp. 73-4 and 85-117

Public Space

Role of public space in urban environment; access to urban amenities;

- Whyte, William. 2005 [1989]. "The Design of Spaces," from *City: Rediscovering the Center*, in Richard T. LeGates, ed., *The City Reader*, New York: Routledge. pp. 429-436
- Madanipour, Ali. 2003. "Why are the Design and Development of Public Spaces Significant for Cities?" in Alexander R. Cuthbert, ed., *Designing Cities*, Oxford: Blackwell Publishing. pp.139-151
- Dawson, Ashley. 2006. "Geography of Fear: Transformation of Post-Apartheid Public Spaces in Cape Town," in Setha Low and Neil Smith, eds., *Politics of Public Space*, New York: Routledge. pp.123-142

Environmental Justice and Sustainability – I

Environmental justice; spatial distribution of beneficial and harmful land uses; equity

- "Principals of Environmental Justice," 2005 [1991], in Robert D. Bullard, ed., *The Quest for Environmental Justice: Human Rights and the Politics of Pollution*, San Francisco: Sierra Club Books. pp. 299-301.
- McDonald, David A. 2005. "Environmental Racism and Neoliberal Disorder in South Africa," in Robert D. Bullard, ed., *The Quest for Environmental Justice: Human Rights and the Politics of Pollution*, San Francisco: Sierra Club Books. pp. 255-278

Environmental Justice and Sustainability – II

Environmental justice; sustainability

- Campbell, Scott. September 3, 1996. "Green Cities, Growing Cities, Just Cities?: Urban Planning and the Contradictions of Sustainable Development." *Journal of the American Planning Association*, vol. 62, no.3. pp. 296-312
- Roberts, Debra. 2003. "Sustainability and Equity: Reflections of a Local Government Practitioner in Southern Africa," in Julian Agyeman, Robert D. Bullard and Bob Evans, eds., *Just Sustainabilities; Development in an Unequal World*, London: Earthscan Publications. pp 187-200
- Newman, Peter and Isabella Jennings. 2008. "Chapter 2: Economy and Society," in *Cities as Sustainable Ecosystems*, Washington D.C.: Island Press. pp 32-62

ARGENTINA

8 November – 12 December 2009

Shape of Growing Cities and Sustainability – II

Housing types; gated communities; suburbanization/urbanization; sustainable development patterns

- Coy, Martin and Martin Pöhler. 2002. "Gated Communities in Latin American Megacities: Case Studies in Brazil and Argentina," in *Environment and Planning B: Planning and Design*, volume 29. pp. 355-370
- Bailey, Nick, Anna Haworth, Tony Manzi, Primali Paranagamage and Marion Roberts. 2006. "Chapter 1: Why do we need mixed income communities?" in *Creating and Sustaining Mixed Income Communities*, Chartered Institute of Housing in association with the Joseph Rowntree Foundation. pp. 16-27
- Jenks, Mike and Daniel Kozak. 2008. "Polycentrism and 'Defragmentation': Towards a More

Sustainable Urban Form?” in Mike Jenks, Daniel Kozak and Pattaranon Takkanon, eds., *World Cities: Polycentric, Fragmented, Sustainable?* London: Routledge. pp. 71-92

Role of the City Planner

Role of planning and planners in shaping the urban environment

- Farmer, Paul, Michel Frojmovic, Cliff Hague, Clive Harridge, Shipra Narang, Ron Shishido, Dave Siegel, Paul Taylor, Jan Vogelij. June 2006. “Reinventing Planning: A New Governance Paradigm for Managing Human Settlements,” from the Draft Vancouver Declaration for debate leading into the World Planners Congress, Vancouver.
- Sandercock, Leone. 2003. “The Sustainable City and the Role of the City Building Professions,” in Luigi Fusco Girard, Bruno Forte, Maria Cerreta, Pasquale De Toro, Fabiana Forte, eds., *The Human Sustainable City*, Burlington: Ashgate. pp 377-385

Green Development Strategies – I

Green development strategies and practices; sustainable urban growth

- Jabareen, Yousef Rafeq. 2006. “Sustainable Urban Forms: Their Typologies, Models, and Concepts,” in the *Journal of Planning Education and Research*, vol. 26. pp. 38-52
- Calthorpe, Peter, and William Fulton. 2001 [2003]. “Designing the Region” and “Designing the Region Is Designing the Neighborhood” from *The Regional City: Planning for the End of Sprawl*, from *The Regional City: Planning for the end of Sprawl* in Richard T. LeGates and Frederic Stout, eds., *The City Reader*, London: Routledge. pp. 331-6

Green Development Strategies – II

Green development strategies and practices; sustainable urban growth

- Duany, Andres and Emily Talen. September 30, 2002. “Transect Planning,” in the *Journal of the American Planning Association*, vol. 68, no. 3. pp. 245-266
- Newman, Peter and Isabella Jennings. 2008. “Chapter 7: Empowerment and Participation” and “Chapter 8: Partnerships” in *Cities as Sustainable Ecosystems*, Washington D.C.: Island Press. pp 156-186

Final Workshop in La Plata, Argentina

Thematic Reading

The following readings are recommended for a range of purposes including introduction and in-depth material on the city or the discipline, methods and concepts. Readings are intended to augment your observations, experiences, and learning in the cities we visit. They are invaluable resources for clarifying concepts and deepening your understanding of what you are experiencing. Readings can be tailored to your individual needs, and rather than saddle you with the weight of additional readings, the recommended readings will be made available as per your request to the faculty.

Sustainability, Green Development Practices

- Farr, Douglas. 2008. "Sustainable Neighborhoods" in *Sustainable Urbanism: Urban Design with Nature*, Hoboken: John Wiley and Sons. pp. 124-181
- Hardoy, Jorge E., Diana Mitlin, and David Satterthwaite. 1999. "The Rural, Regional and Global Impacts of Cities in Africa, Asia, and Latin America," in *The Earthscan Reader in Sustainable Cities*, London: Earthscan Publications. pp. 426-46
- Laul, Anil. 2003. "Sustainable Urban Strategies for Developing Countries," in Luigi Fusco Girard, Bruno Forte, Maria Cerreta, Pasquale De Toro, Fabiana Forte, eds., *The Human Sustainable City*, Burlington: Ashgate. pp. 141-164
- Satterthwaite, David. 1997. "Sustainable Cities or Cities that Contribute to Sustainable Development?" in *Urban Studies*, vol. 34, no. 10. pp. 1667-1691
- Shah, Kirtee. 2003. "Agenda 21 for Sustainable Construction in Developing Countries: The India Case," in Luigi Fusco Girard, Bruno Forte, Maria Cerreta, Pasquale De Toro, Fabiana Forte, eds., *The Human Sustainable City*, Burlington: Ashgate. pp. 263-295

Environmental Justice:

- Haughton, Graham. 1999. "Environmental Justice and the Sustainable City," in the *Journal of Planning Education and Research*, vol. 18. pp. 233-243
- Kahn, Fareida. 2002. "The Roots of Environmental Racism and the Rise of Environmental Justice in the 1990s" in David McDonald, ed., *Environmental Justice in South Africa*, Cape Town: University of Cape Town Press. pp. 15-50
- McDonald, David. 2002. "Up Against the (Crumbling) Wall: the Privatization of Urban Services and Environmental Justice," in David McDonald, ed., *Environmental Justice in South Africa*, Cape Town: University of Cape Town Press. pp. 292-323
- Reboratti, Carlos. 2008. "Environmental Conflicts and Environmental Justice in Argentina," in David V. Caruthers, ed., *Environmental Justice in Latin America; Problems, Promise, and Practice*, Cambridge: MIT Press. pp. 101-117
- Rees, William E. and Laura Westra. 2003. "When Consumption Does Violence: Can There Be Environmental Justice in a Resource-limited World?" in Julian Agyeman, Robert D. Bullard and Bob Evans, eds., *Just Sustainabilities; Development in an Unequal World*, London: Earthscan Publications. pp. 99-124
- Sundberg, Juanita. 2008. "Tracing Race: Mapping Environmental Formations in Environmental Justice Research in Latin America," in David V. Caruthers, ed., *Environmental Justice in Latin America; Problems, Promise, and Practice*, Cambridge: MIT Press. pp. 25-47

Food and Gardens:

- Frieberg, Susanne E. June 2001. "Gardening on the Edge: The Social Conditions of Unsustainability on an African Periphery," in *Annals of the Association of American Geographers*, vol. 91, no. 2. pp. 349-369
- Werkerle, Gerda R. 2004. "Food Justice Movements: Policy, Planning and Networks," in the *Journal of Planning Education and Research*, vol. 23. pp. 378-386

Suburbanization and Urban Sprawl:

- Cieslewicz, David J. 2002. "The Environmental Impacts of Sprawl," in Gregory D. Squires, ed., *Urban Sprawl: Causes, Consequences, and Policy Responses*, Washington D.C.: The Urban Institute Press. pp. 23-38.
- Jargowski, Paul. 2002. "Sprawl, Concentration of Poverty, and Urban Inequality," in Gregory D. Squires, ed., *Urban Sprawl: Causes, Consequences, and Policy Responses*, Washington D.C.: The Urban Institute Press. pp. 39-71
- Robins, Steven. 2002. "Planning for 'Suburban Bliss' in Joe Slovo Park, Cape Town" in *Africa: Journal of the International African Institute*, Vol. 72, No. 4. pp. 511-548

Planners and the Planning Profession

- Alonso, William. Fall 1963. "Cities and City Planners," in *Daedalus*, vol. 92, no.4. pp. 824-839
- Birch, Eugenie L. and Christopher Silver. March 01, 2009. "One Hundred Years of City Planning's Enduring and Evolving Connections," in the *Journal of the American Planning Association*, vol. 75, no. 2. pp. 113-122.
- Knox, Paul L. 2003. "The Design Professions and the Built Environment in the Postmodern Epoch," in Alexander R. Cuthbert, ed., *Designing Cities*, Oxford: Blackwell Publishing. pp. 357-361

Planning Theory

- Bentley, Ian. 1999. "Chapter 10: Reclaiming the Modernist Vision," in *Urban Transformations: People, Power and Urban Design*, New York: Routledge. pp. 209-238
- Hamer, David. 2000. "Planning and Heritage: Towards Integration," in Robert Freestone, ed., *Urban Planning in a Changing World: The Twentieth Century Experience*, New York: E & FN Spon. pp. 195-211
- Linch, Kevin. 1981. "Three Normative Theories," in *Theory of City Form*, Cambridge: MIT Press. pp. 73-98
- Scott, James C. 2003. "Authoritarian High Modernism," in Campbell, Scott and Susan S. Fainstein, eds., *Readings in Planning Theory, 2nd Ed.*, Oxford: Blackwell Publishing. pp 125-141

Transportation

- Newman, Peter and Jeffrey Kenworthy. 2004 [1999]. "Traffic Calming," from *Sustainability and Cities: Overcoming Automobile Dependence*, in Stephen M. Wheeler and Timothy Beatley, eds., the *Sustainable Urban Development Reader*, New York: Routledge. pp. 97-103

Urban Form, Land Use, Development Patterns:

- Brown, Jeffrey R., Eric A. Morris and Brian D. Taylor. March 2009. "Planning for Cars in Cities: Planners, Engineers and Freeways in the 20th Century," in the *Journal of the American Planning Association* vol. 75, no. 2. pp. 161-177
- Gordon, Peter, and Harry Richardson. 1997. "Are Compact Cities a Desirable Planning Goal?" in the *Journal of the American Planning Association*, vol. 63, no. 1. pp. 95-106
- Lynch, Kevin. 1981. "Form and Values in Urban History," and "What Is the Form of the City and How Is it Made?" in *Theory of City Form*, Cambridge: MIT Press. pp. 5-50
- Hosragar, Jyoti. 2005. "Negotiating Streets and Squares: Spatial Culture in the Public Realm" and "Beyond the Walls: Commerce of Urban Expansion," in *Indigenous Modernities: Negotiating Architecture and Urbanism*, London: Routledge. pp. 47-81 and 115-142
- Prakash, Vikramaditya. 2002. "Introduction" in *Chandigarh's Le Corbusier*. pp. 3-30