

Implementing Complete Streets in Chicago

Course Syllabus

UPP 565

Tuesdays, August 26 – December 9, 2014

6:30 p.m. – 9:15 p.m., Art & Design Hall, Room 2236

Instructors: Ben Gomberg – ben4bikes@gmail.com

David Leopold

This course will introduce students to the efforts currently underway in developing and implementing effective Complete Streets in Chicago. The course focuses on Chicago so that real efforts are considered and because these efforts are worth showcasing. The course will consider the needs of the various stakeholders with Complete Streets – including pedestrians, bicyclists, transit users, motorists, and people with disabilities – and explore how these needs both converge and conflict.

After completing this course, students will be able to identify essential considerations in successful complete streets planning, engineering, evaluate types of pedestrian and bicycle infrastructure for effectiveness, and have an understanding of the challenges in balancing the needs of all users of the transportation system.

Grading:

- Attendance and Class Discussion – 15%
Students who miss more than two classes will receive no points for attendance and discussion. All students are expected to read the assigned readings before class and to actively participate in the discussions. Students must refrain from accessing the Internet on any device during class.
- Field Trip Participation and Responses – 20% (10% Each)
Responses are due by the beginning of each class following the field trip. Responses must apply the concepts presented in the class to the theme of the field trip. Outlining what was seen and discussed is not acceptable.
- Group Research and Presentation on Transit and Complete Streets – 15%
- Final Project – 50% (15% Individual Presentation, 35% Final Product)
Projects will be completed in groups of two or three. Project locations and groups will be finalized at the September 2nd class. A project outline is due by the beginning of the October 14th class.

Academic Integrity:

Plagiarism—intentionally or knowingly representing the words or ideas of another person as one's own without proper acknowledgement—will not be tolerated. UIC's policy regarding academic integrity will be adhered to in dealing with students who plagiarize or cheat. Please review the guidelines on academic integrity, and the consequences for violating it, at

http://www.vcsa.uic.edu/MainSite/departments/dean_of_students/Our+Services/Student+Judicial+Affairs.htm.

Special Needs/Disabilities Accommodation:

Please register with the Office of Disability Services at SSB (1200 W. Harrison St., Room 1190), or call 312-413-2183 or 312-413-012 if you require reasonable accommodations for access to or participation in the course.

August 26: Course Introduction & Overview of Complete Streets [Instructors: Ben Gomberg, David Leopold]

Readings:

- American Planning Association (2010). Complete Streets: Best Policy and Implementation Practices. Available at www.amazon.com/Complete-Streets-Implementation-Practices-Planning/dp/1932364838#reader_1932364838
- National Complete Streets Coalition. Website: <http://www.completestreets.org/>

September 2: Transportation Planning & Engineering [Guest Instructor: John Wirtz, P.E., PTOE]

Readings:

- Transportation Research Board (2000). Highway Capacity Manual. Selections.
- Federal Highway Administration (2009). Manual on Uniform Traffic Control Devices. Introduction. Available at: <http://mutcd.fhwa.dot.gov/pdfs/2009/mutcd2009edition.pdf>
- Weiner, E. (2008). Urban Transportation Planning in the United States: History, Policy, and Practice. Selections.

September 9: Pedestrian Space [Guest Instructor: Gerardo Garcia]

Readings:

- Baerman, Dan; Khawarзад, Aurush; and Ronald Woudstra (2013), Tactical Urbanism, Volume 1: Short-term Action, Long-term changes, The Street Plans Collaborative, p. 1-25.
- Demerath, L., & Lvinger D. (2003). The social qualities of being on foot: A theoretical analysis of pedestrian activity, community, and culture. *City & Community*, 2(3), p. 217-237.
- Ehrenfeusht, Renia, Loukaitou-Sideris, Anastasia. (2009). Sidewalks: Conflict and Negotiation over Public Space, p. 219-275.
- American Association of State Highway Transportation Officials (2004). Guide for the Planning, Design and Operation of Pedestrian Facilities, Chapters 3-4.

September 16: Complete Streets & Sustainability [Guest Instructor: Janet Attarian]

Readings:

- Greenroads (2012). Greenroads Abridged Manual v. 1.5., p. 1-24. Available at: <http://www.greenroads.org/366/download-the-manual.html>
- Krekeler, Paul; Debra Nelson, and Michael Rossi (2001). Incorporating Sustainability into NYCDOT's Decisions. Available at: www.dot.ny.gov/programs/greenlites/repository/ICOET%202011%20Sustainability%20Decision%20Making%20Paper.PDF
- Greenberg, Ellen. Sustainable Streets: An Emerging Practice. *ITE Journal* (2008), p. 29-39.

Suggested Additional Readings:

- Grant, Joe, and Danielle Gallet. The Value of Green Infrastructure. Rep.Chicago:n.p.. 2010. Available at: <http://www.cnt.org/repository/gi-values-guide.pdf>
- Philadelphia Water Department (2011). Green City, Clean Waters. Available at: http://www.phillywatersheds.org/doc/GCCW_AmendedJune2011_LOWRES-web.pdf

September 23: Pedestrian Field Visit [Guide: David Leopold]

Readings:

- Jacobs, Allan B. (1995). Great Streets. 269-311.
- The Pilsen Sustainable Streetscape: <http://www.youtube.com/watch?v=55527rWYdyE>
- Pilsen: A Center of Mexican Life (2006) LISC Quality of Life Plan, p. 1-20

Assignment: 3 page field visit response

October 5 (Sunday): People with Disabilities Field Visit [Instructor: Karen Tamley]

Reading:

- Accessible Public Rights of Way: Planning and Designing for Alterations (2007). Available at <http://www.access-board.gov/attachments/article/756/guide.pdf>

Pedestrian Field Visit Assignment Due

October 14: Designing On-Street Bikeways [Guest Instructor: TBD]

Readings:

- American Association of State Highway and Transportation Officials (2012). Guide for the Development of Bicycle Facilities. Webinar available at www.youtube.com/watch?v=TawgDc1voow&feature=youtu.be
- National Association of City Transportation Officials (2012). Urban Bikeway Design Guide. Available at: <http://www.nacto.org/cities-for-cycling/design-guide/>

3 Page Final Project Outline Due

October 18 (Saturday): Bikeway Field Visit [Guide: Ben Gomberg]

Assignment: 3 page field visit response

October 21: Planning On-Street Bikeways [Guest Instructor: Mike Amsden]

Readings:

- Mayor's Bicycle Advisory Council (2006). Bike 2015 Plan, Executive Summary, Chapters 3, 5, 6 and 7 (skim). Available at: <http://www.bike2015plan.org/>
- Chicago Department of Transportation (2012). Chicago's Streets for Cycling Plan 2020, p. 16-29. Available at: <http://www.scribd.com/doc/122665261/Streets-for-Cycling-Plan-2020.pdf>
- City of Portland, Bureau of Transportation (2010). Portland Bicycle Plan for 2030, p. 1-30. Available at: <http://www.portlandoregon.gov/transportation/article/289122>

Bicycle Field Visit Assignment Due

October 28: Transit and Complete Streets [Instructor: Ben Gomberg, Group Presentations]

November 4: Introducing Bike Share to Chicago [Instructor: Ben Gomberg]

Readings:

- Divvy Chicago website. Available at www.divvybikes.com

November 11: Introducing BRT to Chicago [Guest Instructors: Chris Ziemann, Joe Iacobucci]

Readings:

- Institute for Transportation and Development Policy (2013). The BRT Standard. Available at http://www.itdp.org/documents/BRT_English_REVISED2_FINAL_LR.pdf
- EMBARQ. Traffic Safety on Bus Corridors. P. 5-17, 36-43, 52-55. Available at: http://www.embarq.org/sites/default/files/EMB2012_Traffic_Safety_on_Bus_Corridors_Pilot_Version.pdf

November 18: Signal Design & Complete Streets [Guest Instructor: Chad Hammerl, P.E., PTOE]

Readings:

- Federal Highway Administration (2009). Manual on Uniform Traffic Control Devices, Chapter Four. Available at: <http://mutcd.fhwa.dot.gov/pdfs/2009/mutcd2009edition.pdf>

November 25: Implementing Complete Streets in Chicago [Instructors: Suzanne Carlson and David Leopold]

Readings:

- Chicago Department of Transportation (2013). Complete Streets Chicago Design Guidelines, p. 5-17, 27-83, 89-109, 121-123, 130. Available at: <http://www.cityofchicago.org/content/dam/city/depts/cdot/Complete%20Streets/CompleteStreetsGuidelines.pdf>
- Chicago Department of Transportation (2012). Chicago Pedestrian Plan, 16 and Chapters 4-7. Available at: http://www.cityofchicago.org/content/dam/city/depts/cdot/supp_info/ChicagoPedestrianPlan.pdf

December 2: Making our Streets Safer for Children and Older Adults [Instructor: Ben Gomberg]

December 9: Group Presentations