

INSTRUCTOR

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E-mail is the best way to reach me, but feel free to call me in my office (8:30 – 5:00, M-F). I do not have standing office hours but am available to meet in person on most days, upon e-mail or telephone request.

COURSE ASSISTANT

Blakeman Esselstyn
Graduate student, Computer & Information Technology
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The course assistant will provide support for the lab portion of this course. In addition to providing assistance during the Thursday lab session, he will be in the lab for a few hours each week outside of the scheduled lab (times will be announced once they are determined). He is also available on a limited basis to meet with students in the lab at other times (requests for such meetings should be sent to him via email) to help with lab assignments and final projects.

COURSE GOALS

This class aims to help you develop a conceptual understanding of the importance of geography to urban history as well as specific analytical skills that you can apply to future urban research. Rather than providing a comprehensive history of Philadelphia, this course will highlight a series of issues relating to race, ethnicity, housing, industry, and transportation in Philadelphia over the past 100 years that have spatial dimensions. We will learn how researchers and city planners have used maps and spatial theories to support their view of the city as well as how GIS and spatial analysis can be used to better understand historical change in cities.

ATTENDANCE POLICY

Attendance at all classes and lab sessions is expected because it is the only way to ensure the success of this seminar and provides the best opportunity for all of us to learn together. Should you need to miss a class, please notify me ahead of time (when possible).

GRADING POLICY

Class participation:	30%
Lab assignments:	30%
Semester-long project:	40%

Class participation involves attending class and lab, being prepared to discuss readings, and participating in in-class discussions and exercises.

WEEKLY ASSIGNMENTS

Each week there will be an assignment relating to the material covered in the lab. All lab assignments will be posted on Blackboard under “Labs.” Assignments are due before the beginning of the next lab session. Completed assignments should be deposited in the electronic drop box on Blackboard as MS Word files, unless specified otherwise. If you have difficulty using the drop box, assignments should be submitted as email attachments to ahillier@ssw.upenn.edu. The course assistant and instructor will be available to help you with these assignments. Feel free to seek help from your classmates, as well. If needed, you will have the opportunity to redo assignments, or parts of assignments, in order to improve your grade. The point is to learn!

You will need access to ArcView 8.x software in order to complete these assignments. You can use the MMETS PC 2 Lab, where we will have our Thursday lab sessions, the computer labs on the first floor of McNeil, or you can install ArcView 8.x on your home computer. *Getting to Know ArcGIS Desktop* includes a 180-day copy of ArcView 8.1. You can also purchase a student copy of ArcView for \$250.

You will receive a cd-rom with most of the data for the lab assignments, and the data will also be posted on Blackboard (under “Labs”). You will need to either purchase a zip disk (100MB or 250MB) or use an ftp, email, or server account to save your work. GIS files are larger than word processing files, so floppy disks will not provide enough space.

SEMESTER-LONG PROJECT

To be discussed.

BOOKS

The following books can be purchased at the Penn Book Center at 34th & Sansom Streets:

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, by Carolyn Adams, David Bartelt, David Elesh, Ira Goldstein, and William Yancey

Getting to Know ArcGIS Desktop, by Timothy Ormsby *et al.*

Geographic Information Systems & Science, by Longley, Goodchild, Maguire, and Rhind

Past Time, Past Place: GIS for History, edited by Anne Kelly Knowles

The ESRI Guide to GIS Analysis, by Andy Mitchell

All of these books, with the exception of *Getting to Know ArcGIS Desktop*, are on reserve at the Van Pelt Library. *Getting to Know ArcGIS Desktop* is a software manual that you may choose to purchase as a supplement to the ArcView manual designed specifically for this course. It comes with a 180-day license for ArcView 8.1, which would allow you to install the software at home rather than relying on campus labs.

The chapters we will be reading from the Longley, Goodchild, Maguire, and Rhind book are also available on the course's Blackboard site, but I strongly recommend purchasing the book because of the color graphics and because it is an excellent reference for future GIS work.

All other readings—consisting of journal articles, chapters from books, and newspaper articles—are posted on Blackboard under “Syllabus.”

READINGS

The Tuesday session of this course (10:30 – 12:00) will be dedicated to lecture and discussion in McNeil 410. The information below is also available on the Blackboard site (under “Syllabus.”) Most of the readings are available for download from Blackboard.

Class 1 (1/14/03) Introduction to Course

Class 2 (1/21/03) Understanding Philadelphia History through Spatial Analysis

Geographic Information Systems & Science, Chapter 3, “Representing Geography,” pp. 59-77

Geographic Information Systems & Science, Chapter 4, “Georeferencing,” pp. 79-96

Past Time, Past Place: GIS for History, “Introduction,” pp. *xi-xx*

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 1, “The Legacy of the Industrial City,” pp. 3-29

Class 3 (1/28/03) W.E.B. Dubois & *The Philadelphia Negro*

Past Time, Past Place: GIS for History, Chapter 1, “Historical Maps in GIS,” pp. 1-18

The Philadelphia Negro, Introduction to 1996 Edition by Elijah Anderson, *xi – xxvii*

The Philadelphia Negro, Chapter I, “The Scope of the Study,” and Chapter II, “The Problem,” pp. 1-9

The Philadelphia Negro, Chapter V, “The Size, Age and Sex of the Negro Population,” pp. 46-65

The Philadelphia Negro, Chapter XV, “The Environment of the Negro,” 287-321

W.E.B. DuBois, Race, and the City, Introduction by Michael Katz and Thomas Sugrue, pp. 1-37

Florence Kelley: Slums of the Great Cities Survey Maps—CSISS website classic (<http://www.csiss.org/classics/content/35>)

Charles Booth: Mapping London's Poverty—CSISS website classic (<http://www.csiss.org/classics/content/45>)

Class 4 (2/4/03) Ecological Theory & Industrial Philadelphia

The City, Chapter II, "Growth of the City: An Introduction to a Research Project," pp. 47-62

"Neighborhood Change, Racial Transition, and Work Location," by Stephanie Greenberg, pp. 267-314.

1925 Industrial Directory of Pennsylvania, pp. 423-427

Class 5 (2/11/03) European Immigration

Past Time, Past Place: GIS for History, Chapter 5, "Immigration, Ethnicity, and Race in Metropolitan New York, 1900-2000," pp. 65-77

Past Time, Past Place: GIS for History, Chapter 9, "Mapping British Population History," pp. 117-130.

"The Immigrant and the City: Poles, Italians, and Jews in Philadelphia, 1870-1920," by Caroline Golab, in *Peoples of Philadelphia*, pp. 203-230.

"Philadelphia's South Italians in the 1920s," by Richard Varbero in *Peoples of Philadelphia*, pp. 255-275.

Class 6 (2/18/03) Redlining & Real Estate Appraisal

The ESRI Guide to GIS Analysis, by Andy Mitchell, Chapters 1-3, pp. 9-67

Past Time, Past Place: GIS for History, Chapter 6, "Redlining in Philadelphia," pp. 79-92

"The Second Ghetto and the 'Infiltration Theory' in Urban Real Estate, 1940-1960," by Raymond Mohl, in *Urban Planning and the African American Community*, pp. 58-74

Class 7 (2/25/03) Violence & Juvenile Delinquency

The ESRI Guide to GIS Analysis, by Andy Mitchell, Chapters 4-5, pp. 69-113

"Philadelphia," in *Juvenile Delinquency and Urban Areas*, by Clifford Shaw and Henry McKay, pp. 187-215 (also foreword, introduction, and preface)

"Down Germantown Avenue," in *Code of the Street*, by Elijah Anderson, pp. 15-34

Class 8 (3/4/03) African American Migration & Segregation

The ESRI Guide to GIS Analysis, by Andy Mitchell, Chapters 6-7, pp. 115-173

"Choosing Segregation: Federal Housing Policy Between *Shelley* and *Brown*," by Arnold Hirsch, in *From Tenements to the Taylor Homes*, pp. 206-225

Alma and Karl Taeuber: Residential Segregation in U.S. Cities—CSISS website classic (<http://www.csiss.org/classics/content/38>)

Class 9 (3/18/03) Suburbanization

Geographic Information Systems & Science, Chapter 13, “Geographic Query & Analysis,” pp. 277-302

“The ‘Other’ Subsidized Housing,” by Thomas Hanchett, in *From Tenements to the Taylor Homes*, pp. 163-179

“A block’s rise and ruin,” by Clea Benson, *Philadelphia Inquirer*, 8/11/02

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 2, “Economic Erosion and the Growth of Inequality,” pp. 30-65

Class 10 (3/25/03) Public Housing

Geographic Information Systems & Science, Chapter 14, “Advanced Spatial Analysis,” pp. 303-324

“Bauhauses for the Worthy Poor,” in *Public Housing, Race, and Renewal*, by John Bauman, pp. 40-55

“Public Housing and Roundhouse Renewal,” in *Public Housing, Race, and Renewal*, by John Bauman, pp. 144-159

“From Way Stations to Welfare Centers,” in *Public Housing, Race, and Renewal*, by John Bauman, pp. 160-182

Class 11 (4/1/03) Public Transportation & Highway Construction

Margaret Marsh, “The Impact of the Market Street ‘El’ on Northern West Philadelphia: Environmental Change and Social Transformation: 1900-1930,” in *The Divided Metropolis: Social and Spatial Dimensions of Philadelphia, 1800-1975*, pp. 169-192

“Planned Destruction: The Interstates and Central City Housing,” by Raymond Mohl, in *From Tenements to the Taylor Homes*, pp. 226-245

“I-95’s stranglehold on riverfront,” by Inga Saffron, *Philadelphia Inquirer*, 11/17/02

“Changing Skyline: Let Center City’s health spill over,” by Inga Saffron, *Philadelphia Inquirer*, 12/6/02

Class 12 (4/8/03) Urban Renewal & the Black Bottom

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 3, “Housing and Neighborhoods,” pp. 66-99

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 4, "Philadelphia Redevelopment Process," pp. 100-123

Newspaper articles about the Black Bottom

Class 13 (4/15/03) Racial & Ethnic Conflict

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 5, "Race, Class, and Philadelphia Politics," pp. 124-153

Philadelphia: Neighborhoods, Division, and Conflict in a Postindustrial City, Chapter 6, "The Prospects for City-Suburban Accommodation," pp. 154-181

Class 14 (4/22/03) Student Presentations

LAB TOPICS

The Thursday session of this course (10:30 – 12:00) we will meet in the MMETS PC Lab 2 in David Rittenhouse Labs. There is an ArcView manual posted on Blackboard (under "Labs"). Please print out the material for that week before the Lab meets, since it will help you during the Lab and with your lab assignment.

- Lab 1 (1/16/03) Introduction to ArcView 8.2**
- Lab 2 (1/23/03) Georeferencing & Spatial Data**
- Lab 3 (1/30/03) Georeferencing Paper Maps**
- Lab 4 (2/6/03) Editing Tables & Calculating Values**
- Lab 5 (2/13/03) Creating & Symbolizing Point Data**
- Lab 6 (2/20/03) Tabular Joins, Spatial Joins & Symbolizing Area Data**
- Lab 7 (2/27/03) Printing & Exporting Maps**
- Lab 8 (3/6/03) Queries, Measurement & Buffers**
- Lab 9 (3/20/03) Geoprocessing & Editing Geographic Files**
- Lab 10 (3/27/03) Digitizing**
- Lab 11 (4/3/03) Spatial Analyst & 3D Analyst**
- Lab 12 (4/10/03) Review/Work Session**
- Lab 13 (4/17/03) Review/Work Session**
- Lab 14 (4/24/03) Student Presentations**

