

**Syllabus
CSDE 502
Winter 2010**

Instructors and Office Hours

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Time and Location

Wednesday 1pm to 3pm
Savery 117 (large CSSCR computer lab)

Course Description

This course is part of the training in demography and population studies required course for students wishing to obtain CSDE Fellows status (see <http://csde.washington.edu/training/fellowships.shtml> for more details). However, it is open to all interested students.

This course is meant to fill a perceived curriculum gap between methods courses that emphasize study design and statistics courses that teach statistical analysis. It focuses on applied methods for data preparation and will introduce the following topics: database design and query, data management and documentation, data cleaning and variable creation, and graphics for data exploration.

Pre-requisites

Introductory level research methods and statistics.

Requirements and Grading

This is a 2 credit, pass/fail course. In order to pass the course, students must attend 8 of the lectures and satisfactorily complete 5 of the homework assignments. There will be weekly lectures and homework most weeks.

Course Outline

Week 1	Documentation, organization, naming conventions
Week 2	Introduction to database design
Week 3	Database design and queries
Week 4	More advanced database queries
Week 5	Introduction to Stata, Introduction to Add Health data
Week 6	Data extraction, naming, labeling
Week 7	Data cleaning, graphics
Week 8	Data Exploration

Week 9	Variable creation
Week 10	Data manipulation (merging, reshaping)

Accommodation

Please let us know if you need accommodations of any sort. In the classroom we will be using computers, so we can work together with the University of Washington to provide what you require.