

**CEE111X:
4D Modeling and Visualization
of the History and Future of the
Built Environment in Berlin**

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Agenda for first class (Jan. 10, 2003)

- Learning objectives
- Vision for course
- Course agenda
- Approach to teaching and learning
- Coordination
- Introductions
 - Martin
 - Students
- First assignment

Learning objectives

- Learn about past, present, future of Berlin
- Learn about infrastructure (in general and in Berlin specifically)
- Learn about life in Berlin in the last ~80 years
- Visualize and communicate information
- CAD technologies
- Scope a project
 - Resources, skills
 - Vision, goals
 - Time
 - Tasks
- Take new risks (safely away from home)

Vision for course

- Build a 4D model for part of Berlin's infrastructure for the past ~80 years

Or

- Build a 4D model for a structure or a small group of structures (building, square) for its relevant history
- Find out the social, political, legal, physical history of the scope of the model
- Shed light on the life of Berliners through the tumultuous times through the 4D model and its history

Course agenda

- Define project (4D model) scope
- Find information sources
- Acquire modeling skills
- Build model and develop model story
- Present model and related history
 - Presentation
 - Report
 - Webpage
 - Demo
 - Movie

Approach to teaching and learning

- Project-based course
- Learn by exploring and doing
- Share expertise, skill, contacts/network, ...
- Take risks, don't be afraid to ask
- Participatory, work as a group with individual contributions, presentations
- Guest presentations as needed

Coordination

- Course language
- Day/time, your schedules
- Communication (e-mail, webpage, paper, ...)
- Computers, other tools such as electronic cameras
- Class list
- Other

Introductions

- Martin
 - Personal
 - Professional
- Students
 - Talk with one other student
 - Find out about
 - Background
 - What s/he is doing at Stanford
 - Why in Berlin
 - Why in this class
 - Biggest surprise so far in Berlin
 - Report

Assignment 1

- Create inventory of possible project scopes
 - Type(s) of infrastructure
 - Express roads
 - Public transport
 - Water supply
 - Sewage collection and treatment
 - ...
 - Unique structures, squares
 - Potsdamer Platz
 - Government District
 - Tunnel under the Spree
 - New Central Station (Lehrter Bahnhof)
 - Embassies
 - ...
 - Other?

Assignment 1

- Explore three possible project scopes (at least 1 infrastructure and 1 building/square)
 - Visit
 - Take a few pictures
 - Find out relevant historical timeframe
 - Find out a bit about its history, future
 - Determine available, necessary information sources
 - Guests to invite
 - Quick draft of steps to complete 4D model and history
- Quick report on Tuesday, Jan. 14
- In-class presentation on Friday, Jan. 17
- Outcome: possible scopes -> selection of course project scope and assignments of tasks, resources