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