Course Syllabus

Jump to Today

Phase 1: Generation

- Conceptual exploration on the nature of space, site specific location, development of program
- The generation of a digital model by working within the computer (Rhino)
- Initial material tests / fabrication technique tests

Week 1

- Introductions to course, Logistics, Lab Discussion
- Due: Application to the course

Week 2

- Lecture: Part 1: Project Management; Part 2: Fabrication Basics
- Due: Inspiration images (assigned groups); desired groups of ten (we will discuss during class)
- Mark and Brigette email out final groups after class

Week 3

- Lecture: Case Histories (including Pole Vault); Foundations and Structural Systems
- Due: Finalized conceptual proposals, material ideas, joint assignment*

Week 4

- Required Field Trip: Situ Studio, time TBD
- Due: Email updated PDF presentation to Mark and Brigette by 3:00pm

Week 5 (Review 1)

- Guest Lecture: Will Laufs/Special Structures - John Locke - Christo Logan
- Due: Conceptual proposal, material ideas, full-scale prototype
- Next Week's Assignment: Design charette based on review comments

Phase 2: Iteration

- Development of joint technique, refinement of materials
- Preparation of construction document set
- Completion of node prototype (rhino, mastercam)
- The automation of the digital detailing process (via grasshopper or rhino.script)

Week 6 (Studio Mid Reviews)

- Required Field Trip: Material Connexion at 5:45pm (leave GSAPP at 5:00pm)
- Due: Presentation of design charette based on review comments

Week 7 (Studio Mid Reviews)

- Lecture: Materials as Components; discussion about Component Swap
- Due: Full-scale prototype development based on review comments
- Assignment: Component Swap

Week 8 (Kinne Week)

- Due: Presentations on Component Swap
- Assignment: Fold in comments on Component Swap

March 17th (Spring Break!!!!! no class)

Week 9

- Guest Lecture
- Due: Project Presentations incorporating ideas from component swap

Week 10

- Guest Lecture
- Due: Project Presentations

Week 11 (Review 2)

- Due: Presentations and full-scale prototypes, schedules, budget, etc…

Phase 3: Fabrication

- The construction scheduling process
- Finishing of fabricated elements
- Assembly sequence
- Documentation of process

Week 12

- Group desk crits
- Due: Final Full-scale prototypes

Week 13 (Last Day of Class)

- Due: Tech Report draft

Exam and Paper Week

- Informal desk crits (if needed)
- Due: Tech Report

(Grades Due)