

Course Title: **BIMethods**  
Course Number: **ARCH 4050 | 6050-D90**  
Professor: **Jeremy L Roh**

## **REVISED SCHEDULE OF TOPICS**

### **PART 01: UNIT TYPES & PARAMETRIC FAMILIES**

(LESSONS IN REVIT ESSENTIALS & CONSTRUCTION DOCUMENTS)

01	2013-08-20	An Introduction to the Class
02	2013-08-22	The Revit Interface, Imports, Walls, Doors, Windows, & Dimensions
03	2013-08-27	Constraints, Wall Layers, & Basic Materials
04	2013-08-29	Wall Tectonics Using Parametric Profiles
05	2013-09-03	Wall Profiles, Attachments, Floor & Roof Basics, Curtain Walls, & Sloped Glazing
06	2013-09-05	Topography, Curtain Grids, and Window Families
07	2013-09-10	Parameters and Operable Door Family Start
08	2013-09-12	Operable Door Families
09	2013-09-17	Operable Door Families Continued
10	2013-09-19	Operable Door Families & Sidelites and Transoms
11	2013-09-24	Finding Families & Detailing Counter Tops
12	2013-09-26	Counters with Moveable Sink, L-Shape Counters, & 3-Drawer Base Cabinets
13	2013-10-01	Midterm Explanation and Project Strategies
14	2013-10-03	Questions and Answer Tutorial Reviews
15	2013-10-08	No Class (FALL BREAK)
16	2013-10-10	Midterm Due at End of Class (7:45 PM) by File Upload (NO CLASS)

### **PART 02: OVERALL BUILDING ELEMENTS & TECTONIC ASSEMBLIES**

(LESSONS IN CORE BUILDING ASSEMBLIES & TECTONIC PARTS)

17	2013-10-15	Component Stairs, Sketch-Based Stairs, & Tread/Riser Profiles
18	2013-10-17	Railing Systems, Rail Profiles, & Rail Panels
19	2013-10-22	Profiles for Exterior Wall, Floor, Roof, and Balcony Details
20	2013-10-24	Modeling to Reflect the Wall Section Part 1
21	2013-10-29	Modeling to Reflect the Wall Section Part 2
22	2013-10-31	Structural Columns & Custom Structural Details

### **PART 03: DIGITAL DESIGN STRATEGIES FOR NEW ADDITIONS**

(STRATEGIES IN PROGRAMMING, COMPLEX FORM DESIGN, & FAÇADE DESIGN)

23	2013-11-05	Spider Clip & Double Façade Systems
24	2013-11-07	Intuitive & Parametric Massing & Divided Surfaces
25	2013-11-12	Adaptive Curtain Panels Part 1 – Diagrid Pipe Structures
26	2013-11-14	Adaptive Curtain Panels Part 2 – Panel Variation by Deflection
27	2013-11-19	Adaptive Curtain Panels Part 3 – Attractors & Adaptive Reactors
28	2013-11-21	Adaptive Curtain Panels Part 4 – Spider Clips on Complex Surfaces
29	2013-11-26	Materials, Lighting, & Cloud Rendering
30	2013-12-03	Final Project Explanation, Final Topics, and Project Strategies
31	2013-12-17	Final Due at End of Class (10:00 PM) by File Upload (NO CLASS)