

BCN 6905 Industrialized Construction Schedule

Day 1-Introduction and Residential/Multi-family

PRIOR TO CLASS

Scan: AIA Design Guide for Modular Construction

Scan: Management Manual for Multi-Family

Read through Module 1 materials and do Assignment 1

View: Manufacturing Construction Special Report <https://www.youtube.com/watch?v=v01LqrgJJ0>

MODULE 1 INTRODUCTION (2 hours)

Syllabus

Module 1 Lecture on Basics of Manufactured Construction

Reading: TRAMCON Introduction to Manufactured Construction

Assignment 1: Taxonomy of Modular Construction

MODULE 2 RESIDENTIAL MODULAR 1

Module 2 Lecture on Residential Modular Construction

Reading: TRAMCON Basics of Modular Construction

View: [Sunshine Homes factory walk-through](#)

View: [ACUBUILT Video](#)

View: smartPrefab – Industrial manufacturing of prefabricated houses

<https://www.youtube.com/watch?v=P1uvvwl29Qg>

MODULE 3 COMMERCIAL/INSTITUTIONAL/MULTI-FAMILY

Module 3 Lecture on Commercial Institutional Multifamily Modular

Video: Modular Construction Low to High Rise

<https://www.youtube.com/watch?v=Q6KtOyrvNAY>

In-Class Case Study: Atlantic Yards

View: Atlantic Yards simulation <https://www.youtube.com/watch?v=Rwaz4ITD-4A>

View: World's Tallest Hotel- The B1M in NYC https://www.youtube.com/watch?v=J8m_XURNbKY

In-Class: Show HK Multi-Family Project

MODULE 4 READINGS and PREPARATION FOR PROJECT PRESENTATION

Assign In-Class Seazen Rocky PoinLisa ha

Present Solutions

Assign Homework Projects: (1) Company readiness for modular construction (2) State platform for modular construction

