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=v01LqrgJJj0

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=P1uvwWl29Qg

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 PointLisa ha
Present Solutions

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