

MECH3023/4423 Building Energy Management and Control Systems

<http://me.hku.hk/bse/mech3023/>

Summary of Teaching (Dr. Sam C. M. Hui)

1. Building Energy Use (BEU) 1.1 Energy Use in Buildings 1.2 Energy Efficiency 1.3 Submetering 1.4 Demand Analysis 1.5 Load Inventory	3. Dynamic Building Performance Simulation (BPS) 3.1 Building Energy Simulation 3.2 Simulation Tools 3.3 Applying Simulation 3.4 Modelling Process 3.5 Simulation Skills
2. Building Energy Management (BEM) 2.1 Energy Management System 2.2 ISO 50001 2.3 Energy Information System 2.4 Building Energy Audits	4. Analysis of Building Services Systems (BSS) 4.1 Overview 4.2 Ventilation Strategy 4.3 Displacement Ventilation 4.4 Chilled Ceiling 4.5 Lighting Control

Concept Map:

