SBS5411 Building Information Modelling for BSE
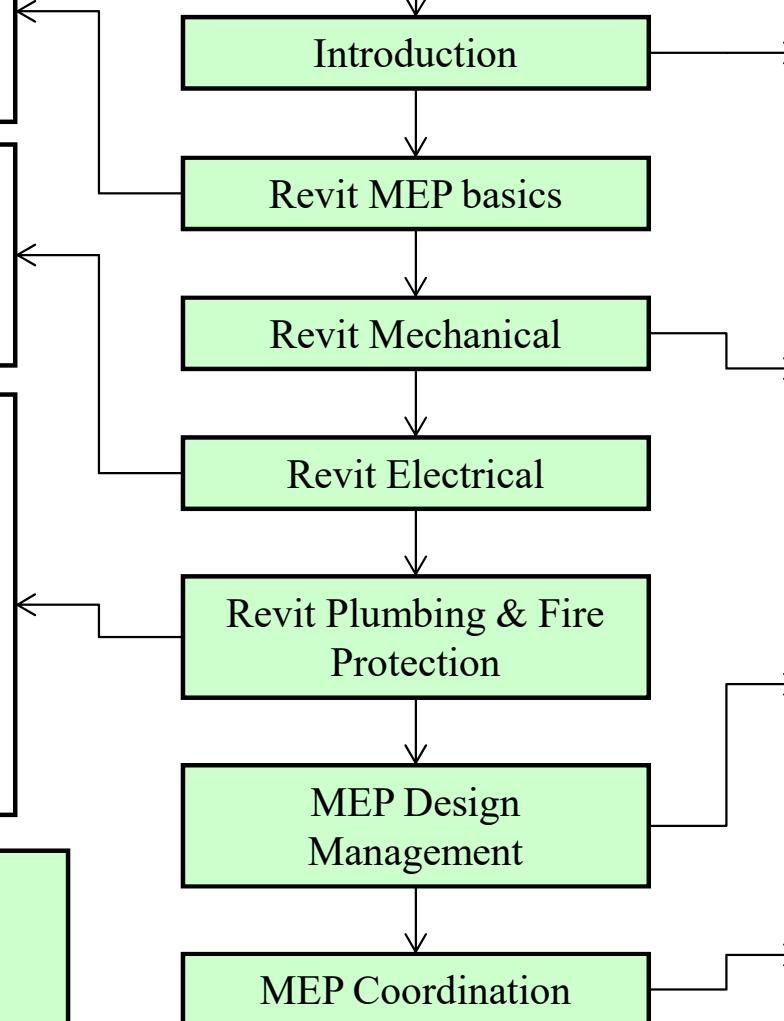
Introduction

1. Introduction
2. Revit MEP tips
3. BIM modelling & MEP design
4. Other BIM MEP applications

1. Background
2. BIM for MEP
3. Potential benefits
4. MEP model coordination
5. Revit learning

Revit MEP basics

1. Electrical systems
2. Lighting systems
3. Power and communications
4. Circuiting and panels

Revit Mechanical

1. HVAC cooling & heating load analysis
2. Creating logical systems
3. Mechanical systems & ductwork
4. Mechanical piping

1. BIM for plumbing design
2. Plumbing systems
3. Revit Plumbing tutorials
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1. Fire protection systems
2. Revit fire systems design
3. Revit fire systems tutorials
4. Emerging trends

Revit Electrical

Revit Plumbing & Fire Protection

1. BIM process
2. Project Execution Plan (PXP)
3. Modelling methodology
4. Level of development (LOD)
5. BIM adoption strategy

MEP Design Management

+ Practical sessions:
a) Revit Mechanical
b) Revit Electrical
c) Revit Plumbing & Fire Protection
d) MEP Coordination

MEP Coordination

1. Introduction
2. Clash detection & avoidance
3. Clash analysis & management
4. Coordination workflow