

Operam Academy Course Lessons

Curriculum	Course	Lesson				
00 Information Management Fundamentals	BIM: What's it all about?	It's all about the Information	It's all about the Exchange of Information	It's all about the Production of Information		
	Project Information Management	Introduction to Project Information Management	The Project Information Function	The Project Information Process		
	Asset Information Management	Introduction to Asset Information Management	Trigger Events	Managing Existing Information	Procuring New Information	
01 Identifying the Need	Requirements for Information	Introduction to Information Requirements	Information Requirements Criteria	Information Requirement Types	Level of Information Need	
	Organizational Information Requirements	Introduction to Organizational Information Req	Organizational Information Functions	Organizational Stakeholder Involvement	Support for Asset Performance	Support for the Security of Sensitive Assets
	Asset Information Requirements	Introduction to Asset Information Requirements	Asset Definition	Asset Data Definition	Product Data Definition	
	Project Information Requirements	Introduction to Project Information Requirements	Support for the Delivery of Assets	Support for the Design and Construction of Assets	Exchange Information Requirements	
02 Building the Team	Tender Preparation	Introduction to Tender Preparation	Tender Preparation Process	Pre-Appointment Activities	Tender Response Requirements	Preparing Invitation to Tender
	Tender Response and Appointments	Introduction to Tender Response and Appointments	BIM Execution Planning	Capability and Capacity Assessment	Information Delivery Planning	Appointments
	Information Production Planning	Introduction to Information Production Planning	Information Standards	Methods and Procedures	Federation Strategy	
	Information Delivery Planning	Introduction to Information Delivery Planning	Responsibility Assignment	Task Information Delivery Planning	Master Information Delivery Planning	
03 Producing the Information	The Common Data Environment	Introduction to the Common Data Environment	CDE Workflow	Container ID, Revision and Status	CDE Solution	
	Creating Information	Introduction to Creating Information	Progressive Development of an Information Model	Generating Information Relating to New Assets	Acquiring Information Relating to Existing Assets	
	Sharing Information	Introduction to Sharing Information	Quality Assurance	Reviewing Information	Approving Information	
	Publishing Information	Introduction to Publishing Information	Reviewing an Information Model	Authorizing an Information Model	Accepting an Information Model	
04 Using the Information	Use of Information during the Delivery Phase	Spatial coordination (3D)	Design review	Offsite manufacturing	Construction sequencing (4D)	Cost estimating (5D)
		Health and safety	Construction verification	Commissioning and handover		
	Use of Information during the Operational Phase	Operational training	Whole-life costing	Maintenance activities	Operational activities	Asset performance assessment
		Real-time asset monitoring	Emergency and evacuation	Decommissioning and recycling		
	Use of Information at a Portfolio Level	Digital twins	Estate management	Business planning and strategic investment	SMART asset management	
	Use of Information at a National Level	Public services provision	Smart cities	Infrastructure planning		
05 Regional	Digital Transformation in the UK	Drivers for Change	The Journey to a Digitally Built Britain	BIM Level 2 in the UK		
	Other Regions					