

Principles and Models for System Architecture

July 16-20, 2018

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	Monday	Tuesday	Wednesday	Thursday	Friday
8:30	Introductions (Team)	Function in Architecture (Crawley)	Architectural Decisions (Cameron)	Role and Deliverables of the Architect (Crawley)	Modularity and Architecture (Cameron)
9:00	System Thinking (Crawley)		Exercise on Architectural Decisions (Cameron)		
9:30		Exercise: Build an architectural diagram Diagram (Cameron and Crawley)			
10:00	Architecture Overview (Crawley)	Concept (Crawley)	Strategy + Marketing Impact on Architecture (Cameron)	Case Study (Crawley)	DSM as a Representation, including Interfaces(Crawley)
10:30			Strategy + Marketing Influence Exercise (Cameron)		DSM Exercise (Crawley)
11:00	Lunch	Lunch	Lunch	Lunch	Lunch
11:30					
Noon	Form in Architecture (Crawley)	Representing Architecture in a Tradespace (Cameron)	Strategy + Marketing Influence Exercise (Cameron)	Complexity Management in OPM (Dori)	Research in Architecture (Cameron)
1:00	Exercise on Form Representation (Crawley)		Stakeholder Needs and Goals (Crawley)		
1:30		Introduction to OPM (Dori)		Exercise on Stakeholders (Crawley)	
2:00	Structural and procedural links (Dori)	What is a model? (Dori)	DoDAF, SysML and OPM (Dori)		Coached session on project (Crawley and Dori)
2:30				Exercise: Tradespaces (Cameron)	
3:00	Exercise: Producing first architecture diagram (Cameron)	Structural and procedural links (Dori)	What is a model? (Dori)	DoDAF, SysML and OPM (Dori)	Course summary and awarding of certificates (All)
3:30					
4:00	Exercise: Producing first architecture diagram (Cameron)	Structural and procedural links (Dori)	What is a model? (Dori)	DoDAF, SysML and OPM (Dori)	Course summary and awarding of certificates (All)
4:30					

*There are evening readings and assignments;
refer to the program outline at <http://shortprograms.mit.edu/sea> for details*