

CMP-01203: IT Infrastructure

Course Instructor: Aymen khan

Pre-Requisites

Text Book:

1. IT Infrastructure Architecture: Infrastructure building blocks and concepts by Sjaak Laan, Lulu.com (November 5, 2011). ISBN-10: 1447881281

Reference Materials:

2. IT Infrastructure and its Management by Prof Phalguni Gupta, Tata McGraw Hill Education Private Limited (October 6, 2009). ISBN-10: 0070699798

3. IT Architecture For Dummies by Kalani Kirk Hausman and Susan Cook, For Dummies; 1st Edition (November 9, 2010). ISBN-10: 0470554231

Course Outline: Mid Term Week	Course Contents
Week 1	Introduction: Definition of IT Infrastructure, Non-functional Attributes
Week 2	Availability Concepts: Sources of Unavailability, Availability Patterns
Week 3	Performance Concepts
Week 4	Security Concepts
Week 5	Data centres
Week 6	MID TERM

Course Outline: Final Term
CMP-01203: It Infrastructure
Credit Hour: 3(3-0)

Week	Course Contents
Week 7	Servers: Availability, Performance, Security
Week 8	Networking: Building Blocks, Availability, Performance, Security.
Week 9	Storage: Availability, Performance, Security
Week 10	Virtualization: Availability, Performance, Security
Week 11	Operating Systems: Building Blocks, Implementing Various OSs, OS availability, OS Performance, OS Security.
Week 12	End User Devices: Building Blocks, Device Availability, Performance, Security
Week 13	IT Infrastructure Management..
Week 14	Service Delivery Processes
Week 15	Service Support Processes. Ethics, Trends, organizational and technical issues related to IT infrastructure
Week 16 FINAL TERM	