

Bangladesh University of Engineering and Technology
CSE 405N(System Analysis and Design)
Syllabus (July 2005)

Book Reference:

1. System analysis and Design methods by *Whitten, Bentley and Dittman*
2. Object oriented systems analysis and design by *Simon Bennett*
3. System analysis and Design by *Kendall and Kendall*
4. Essentials of Systems Analysis and Design by *Valacich, George & Hoffer.*

Topics Covered	Book	Chapter/Page Covered	In TF Syllabus
System Development Environment	4		Yes. A
The context of systems analysis and design methods	1	Ch-1(Full)	
Information System Building Blocks	1	Ch-2(Full)	Yes. A p.62-74
Information System Development	1	Ch-3(Full)	
System analysis	1	Ch-5 p.193-224	Yes. A
Fact-Finding Techniques for Requirements Discovery	1	Ch-6 p.236-255 (upto Interview)	
Interviewing	3	p.117-131	Yes. A
Modeling system requirements with cases	1	Ch-7(Full)	Yes. A
Data modeling and analysis	1	Ch-8 p.294-307	Yes. B
Process modeling	1	Ch-9 p.344-389	Yes. A (only Design)
Application architecture	1	Ch-13 p.502-526	Yes. A
Analyze Requirements	2	Ch-7(full)	Yes. A
Refining the Requirements Model	2	Ch-8(full)	Yes. A
Specifying control	2	Ch-11(full)	Yes. B
Software architecture	2	Ch-13 (13.1-13.3)	Yes. B
Human computer interaction	2	Ch-16(full)	Yes. B
Designing Boundary Class	2	Ch-17(full)	Yes. B
Data management Design	2	Ch-18(Full) (18.1-18.5)+ Rest Self study	Yes. B