

#	Week	Topic	Assignment
1	Oct 18	Context diagrams - domains	[2], section 1 and 2
2	Oct 24	Problem Diagrams; Davydkov submits description of anti-locking brakes asking for clarification of domain types	handed out [1]; [2], sect.3
3		Elementary problem frames	[2], sect. 4
4	Nov 2	Decomposition strategies (inside-out, outside-in, tempo, standardized composite frames)	[2], sect. 5
5	Nov 7	Package router problem decomposition; sub-problem concerns, composition concerns	[2], sect. 6 and 7
6	Nov 22	Examine Problem Frame concerns	[1], Ch. 5
7	Nov 30	[3]: Control of phenomena; indicative descriptions using Buchi state diagrams; liveness and safety properties;	[3], sections 4, 5
8	Dec 10	[3]: Requirement descriptions; specification descriptions	[3]
9	Dec 14	[3]: Dealing with real time constraints	[1], Ch. 1 and 2

**Readings:**

[1] *Problem Frames* by Michael Jackson, Addison-Wesley (2001), Chapters 1-5

[2] *Problem Analysis and Structure* by Michael Jackson, Engineering Theories of Software Construction, Tony Hoare, Manfred Broy and Ralf Steinbruggen eds; Proceedings of NATO Summer School, Marktoberdorf; IOS Press, Amsterdam, August 2000, pp3-20.

[3] *Deriving Specifications from Requirements: an Example* by Michael Jackson and Pamela Zave. Proceedings of ICSE-17; ACM Press, 1995.