	Chapter in "Elements of	End-of-Chapter Problems	Supplementary	Supplementary Readings*
	Synthesis Planning"		Topic(s)	
Tues. Jan. 11 –	Chapter 1: Introduction	n/a	Suzuki Cross-Coupling	Sorrell: pp. 504-506 (pp. 506-510 are also
Thurs. Jan. 13			Reactions	good general info)
				Bruice: pp. 516-519
				volinarat-schore: pp. 588-589 (chemical
Turne law 10		24 is taught but sins it a short before		nignight 13-1)
Tues. Jan. 18 –	Chapter 2: Functional	2.1 is tough, but give it a shot before	Conjugate Additions	Oglivie: pp. 906-919
Thurs. Feb. 3	Group Oriented Bond-	reading the solution.		Serrelling 824 841 408 500 766 771
	5015	You should be able to do 2.2		Soliell. pp. 854-841, 498-300, 700-771
				Bruice: np 779-785
				Solomons: pp. 889-893, G8 (special topic
				inserted after p.999), 814-816
				Vollhardt-Schore: pp. 850-855, 1095-1099,
				310-311 (chemical highlight 8-3), 1090-1094
Tues. Feb. 8 –	Chapter 3: Skeleton	3.1 You should be able to make bonds	Wittig Reactions	Ogilvie: pp. 858-860, 874-876, 933-937
Tues. Feb. 15	Oriented Bond-Sets	3 and 2. You probably haven't seen		
		the reaction Hoffmann uses to make		Sorrell: pp. 684-689
		bond 1, but see if you can come up		
		with an alternative (even if it takes a		Bruice: pp. 776-778
		few steps)		
		2.2.Vever medal bit will be beleful bere		Solomons: pp. 757-761
		(b) sooms obsider than (c)		Vallbardt Scharge pp. 804 807
Thurs Eab 17	Chapter 4: Ruilding	(b) seems easier than (a).	Poductivo	Ogilvio: pp. 041 042
Tues Mar 1	Block Oriented Synthesis	4.1 810 4.2	Desulfurization	Ogivie. pp. 941-942
	block Offented Synthesis		Desulturization	Sorrell: np. 374-375
				Sorren: pp. 374 373
				Vollhardt-Schore: pp. 795-797
Thurs. Mar. 3 –	Chapter 5: The Basis for	5.1 Your answers will likely be	Sulfur Ylides Make	Sorrell: pp. 689-691; p. 337
Tues. Mar. 8	Planning	different than Hoffmann's but you	Epoxides from C=O	
		should be able to come up with		
		something reasonable.		

Thurs. Mar. 10 –	Chapter 6: Formation of	6.1, 6.2, 6.3	Carbenes and	Ogilvie: pp. 998-999 (Birch reduction)
Tues. Mar. 22	Cyclic Structures		Simmons-Smith	
			Reactions	Sorrell: pp. 293-295 (carbenes and
				Simmons-Smith)
			Birch Reductions	
				Solomons: pp. 361-362 (carbenes and
				Simmons-Smith); pp. 719-720 (Birch
				reduction)
				Vollhardt-Schore: pp. 531-532 (carbenes
				and Simmons-Smith)
Thurs. Mar. 24	Chapter 7: Protecting	7.1 Read through the question and		
	Groups	identify the reactions each protecting		
		group has to survive. You may be able		
		to suggest a couple of potential		
		protecting groups, but likely don't		
		know enough different ones to		
		generate a full set. That's fine. Then		
		read over the answer and make sure		
		your logic was consistent with it.		
		7.2 You may need to look up what a		
		couple of the protecting groups are,		
		but this question should be doable		
Tues. Mar. 29	Chapter 8: Ranking of			
	Synthesis Plans			

*For each supplementary topic, it is expected that you read the supplementary readings in at least <u>one</u> of the texts and work through the corresponding practice problems in that text.

One copy each of the following books will be available at the reserve desk at the library. They all have 24 hour loan periods.

- Organic Chemistry 2nd edition (Thomas N. Sorrell)
- Organic Chemistry 8th edition (Paula Yurkanis Bruice)
- Organic Chemistry 10th edition (T.W. Graham Solomons and Craig B. Fryhle)
- Organic Chemistry 6th edition (Peter Vollhardt and Neil Schore)