

<i>Week</i>	<i>Sections</i>	<i>Topics</i>	<i>Assignments</i>
1 (Jan 26 –30)	Ch 1 KK	Introduction to Survival Analysis (2-1/2 class).	
2 (Feb 2 – 6)	Supplementary	Life Table functions (from Lawless reference book)	
3 (Feb 9 – 13)	Ch 11 and 12 KPW	Estimation of Actuarial Survival Data Nelson-Aalen Estimate.	Hwk 2: KPW Q12.2, Q12.3, Q12.33
4 (Feb 16 – 20)	Ch 2 KK	Kaplan-Meier Survival Curves and the Log-Rank Test	
5 (Feb 23 – 27)	Ch 3 KK	The Cox Proportional Hazards Model and its Characteristics,	
<u>Monday, Mar 3 – 1st Major Exam</u> (chapters 1,2, 3, supplementary reading, ch 11 KPW & Ch12 KPW)			
6 (Mar 2 – 6)	Ch 4 KK	Evaluating the PH Model assumptions	Declare your Term paper topic: Sunday Mar 2
	Ch5 KK	The Stratified Cox Procedure	
7 (Mar 9 – 13)	Ch5 KK Ch 6 KM	The Stratified Cox Procedure (cont.) Extension of the Cox PH Model for Time-Dependent Variables	
8 (Mar 16 – 20)	Ch 6 KM Ch 7 KM & Ch13-14 KPW	Extension of the Cox PH Model for Time-Dependent Variables (cont.) Parametric Survival Models	Hwk 4: KPW Q13.4, Q13.32
<u>Midterm Vacation</u> March 23-27, 2014			
9 (Mar 30 – Apr 3)	Ch 14 KPW	Parametric Survival Models (continued)	
<u>Wednesday, Apr 2 – 2nd Major Exam</u> (chapters 4, 5, 6, 7 & Ch 13-14 KPW)			
10 (Apr 6 – 10)	Ch 15 -16 KPW	Bayesian Estimation Model Selection	
11 (Apr 13 – 17)	Ch 16 KPW	Model Selection (continued) Background. Deferred Annuity Products. Immediate Annuity Products.	
12 (Apr 20 – 24)	Ch 8 KM	Recurrent Event Survival Analysis	Sun Apr 20: Term Paper Report due to instructor.
13 (Apr 27 – May 1)	Ch 9 KM	Competing Risks Survival Analysis	
<u>Monday, May 3- 3rd Major Exam</u> (chapters 8 & ch15-16 KPW)			
14 (May 4 – 8)	Ch 10 KM Supplementary	Design Issues for Randomized Trials Topics: Graduation	
15 (May 11 – 15)	Review	Review	
Final Exam (Comprehensive): Sun May 18 7pm			