

## SOCI 30005: Revised Course Schedule

April 25	Interaction effects; modeling curvature	
April 30	Introduction to HLM	R and B 2002, Chapters 2,4
May 2	Introduction to HLM estimation theory	R and B 2002, Chapters 3
May 7	Fixed Effects versus Random effects	Raudenbush, 2009
May 9	Logistic regression and the generalized linear model	AF 15
May 14	Extension to multilevel data	RB, Chapter 10, part 1
May 16	Log-linear models for counted data	RB, Chapter 10, part 1
May 21	Extension to multilevel data	RB, Chapter 10, part 1
May 23	Ordinal regression with extension to multilevel data	RB, Chapter 10, part 2
May 28	Extension to multilevel data	RB, Chapter 10, part 2
May 30	Multinomial regression with extension to multilevel data	RB, Chapter 10, part 2
June 4	Extension to multilevel data	RB, Chapter 10, part 2
<b>June 10-14</b>	<b>Exam week</b>	

## Bibliography

1. Agresti, Alan, and Finlay, Barbara. (2018). *Statistical Methods for the Social Sciences, Fifth Edition*. Glenview, IL: Pearson.
2. Raudenbush, S. W. (2009). Adaptive centering with random effects: An alternative to the fixed effects model for studying time-varying treatments in school settings. *Education Finance and Policy*, 4(4), 468-491.
3. Raudenbush, S.W., and Bryk, A.S. (2002). *Hierarchical Linear Models: Applications and Data Analysis Methods*. Thousand Oaks, CA: Sage.