

**HHS 2009 Summer Institute on Research Methodology
Course Plan**

Introduction to Mplus

Day 1

9:00-10:30	Introduction to Mplus for SEM	Alan Acock
10:30-10:45	<i>Break</i>	
10:45-12:15	EFA, CFA, SEM	Alan Acock
12:15-1:30	<i>Lunch</i>	
1:30 – 3:00	EFA and Multiple Group Analysis	Alan Acock
3:00-3:15	<i>Break</i>	
3:15-5:00	<i>Lab Exercise</i>	Alan Acock

Latent Growth Curve Modeling using Mplus

Day 2

9:00-10:30	Latent Growth Curves (LGC) in Mplus	Alan Acock
10:30-10:45	<i>Break</i>	
10:45-12:15	LGC continued	Alan Acock
12:15-1:15	<i>Lunch</i>	
1:15-3:00	LGC with Binary Variables	Alan Acock
3:00-3:15	<i>Break</i>	
3:30-5:00	LGC Models with Count Variables	Alan Acock

Day 3

9:00-10:30	Introduction to Longitudinal MLM	Lesa Hoffman
10:30-10:45	<i>Break</i>	
10:45-12:15	Longitudinal MLM	Lesa Hoffman
12:15-1:30	<i>Lunch</i>	
1:30-3:00	Longitudinal MLM with Time-Invariant Predictors	Lesa Hoffman
3:00-3:15	<i>Break</i>	
3:15-5:00	Lab exercise	Lesa Hoffman
6:00-8:30	<i>Dinner at Tyee Winery</i>	

Day 4

9:00-10:30	Modeling Time-Varying Covariates	Lesa Hoffman
10:30-10:45	<i>Break</i>	
10:45-12:15	Alternative Metrics of Time	Lesa Hoffman
12:15-1:30	<i>Lunch</i>	
1:30-3:15	Growth Mixture Models	Fuzhong Li
3:15-3:30	<i>Break</i>	
3:30-5:00	Growth Mixture Models	Fuzhong Li