

**RESCH-GE 2041 Advanced Topics in Quantitative Methods:  
Practicum in Multi-Level Models – Growth Curves (1 point)**

Marc Scott  
Fall 2013

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Lab sessions: 3:30-6:00pm *during second 7 weeks of term* Office: 801W Kimball (Scott)  
316E Kimball (Halpin)  
Location: 194 Mercer Room 304 Phone: 212-992-9407 (Scott)  
Office Hours: Tuesdays 2:30-3:30 pm (Scott) email: [marc.scott@nyu.edu](mailto:marc.scott@nyu.edu)  
TBD (Halpin) email: [peter.halpin@nyu.edu](mailto:peter.halpin@nyu.edu)  
Text: Singer & Willett, *Applied Longitudinal Data Analysis* (optional)  
Software: STATA  
Hardware: The classroom has workstations, but you may need a laptop if your data are housed there.

Note: This course will use NYU Classes. Email is the preferred form of communication. If you call, it is best to email as well.

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COURSE OVERVIEW: This is practicum course on models for multilevel growth curve data. This course is a natural sequel to RESCH-GE 2040 Advanced Topics in Quantitative Methods: Multi-Level Modeling – Growth Curves. Building on the theory and examples developed in that course, students will participate in a guided, larger research project that employs multi-level growth curve models. Students will meet with the instructors in a lab setting to fit, evaluate and describe these models. The final project for the course will consist of a “results and discussion” section, journal article quality write-up.

COURSE PREREQUISITE: RESCH-GE 2004 (Advanced Modeling I: Topics in Multivariate Analysis) or equivalent and RESCH-GE 2040 (Advanced Topics in Quantitative Methods: Multi-Level Modeling – Growth Curves). ***These prerequisites will be strictly enforced. Consult with the instructor if you wish to substitute an alternative.***

COURSE REQUIREMENTS:

Participation: 20% You are expected to attend all class meetings and participate.  
Project: 80% There will be a data analysis project (and write-up) instead of a final exam.

COURSE HANDOUTS: Handouts from RESCH-GE 2040 (Advanced Topics in Quantitative Methods: Multi-Level Modeling – Growth Curves) will be used to guide some discussions.

Late assignment policy: Assignments are to be handed in on time.

NOTE: The first class meets October 29 and follows a lecture format on Fixed vs. Random Effects Modeling. All subsequent classes meet in an open lab format. The last lab meeting is Tuesday December 10.