**RESCH-GE 2041 Advanced Topics in Quantitative Methods:**

**Practicum in Multi-Level Models – Growth Curves (1 point)**

Jennifer Hill/Marc Scott  
Fall 2011

| Lab sessions: | 3:30-6:00pm during second 7 weeks of term | Office: 804W Kimball (Hill)  
801W Kimball (Scott) |
|---------------|------------------------------------------|--------------------------|
| Location:     | Tisch, Room LC-19                        | Phone: 212-992-7677 (Hill)  
212-992-9407 (Scott) |
| Office Hours: | Tuesdays 2:30-3:30 pm (Hill) ??          | email: [jennifer.hill@nyu.edu](mailto:jennifer.hill@nyu.edu)  
Tuesdays 2:30-3:30 pm (Scott) email: [marc.scott@nyu.edu](mailto:marc.scott@nyu.edu) |
| Software:     | STATA                                     |

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

**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 November 1, and follows a lecture format on Fixed vs. Random Effects Modeling, by Jennifer Hill. All subsequent classes meet in an open lab format. The last lab meeting is Tuesday December 13.