

**COURSE SCHEDULE “INTRODUCTION TO STRUCTURAL EQUATION MODELING:
PRINCIPLES AND APPLICATIONS”**

June 8-10, 2023

Day 1: Thursday June 8, 2023 – UNINT University

09:00-10:00: An informal welcome and networking reception for course participants

10:00-11:30: Introduction to and benefits of SEM (part I)

11:30-11:45: *Coffee Break*

11.45-13.00: Introduction to and benefits of SEM (part II)

Key concepts and the fundamental logic underlying SEM are introduced and the benefits offered by SEM vis-à-vis conventional analytical methods considered.

13:00-14:00: *Lunch*

14:00-15:30: Model Conceptualization I: Structure

Issues relating to the specification of one’s theoretical model are discussed and implications for subsequent model estimation and testing highlighted.

15:30-15:45: *Coffee Break*

15:45-18:00: Model Conceptualization II: Measurement

Issues relating to the operationalization of the constructs comprising one’s theoretical model are examined and reflective vs. formative measurement perspectives contrasted.

Day 2: Friday June 9, 2023 – UNINT University

09:00-11:30: Model Identification

The question of whether there is sufficient information in one’s data to estimate the parameters in one’s model is addressed and strategies for overcoming under-identification problems outlined.

11:30-11:45: *Coffee Break*

11:45-13:00: Introduction to the LISREL Program

Guidance on how to specify one’s model in the SIMPLIS command language is provided and various features of LISREL software highlighted.

13:00-14:00: *Lunch*

14:00-15:30: Parameter Estimation

Alternative estimation options are considered and the results of the estimation process for one's model (parameter estimates, standard errors, t-values, p-values, etc.) discussed.

15:30-15:45: *Coffee Break*

15:45-17:30: Model Fit Evaluation

The notion of model fit is explained and several (complementary) criteria for evaluating the overall fit of one's model to a set of data considered.

Day 3: Saturday June 10, 2023 – UNINT University

09:00-10:30: Model Modification

The issue of adding and/or removing parameters following initial estimation of one's model is discussed and the dangers of data-driven model adjustments highlighted.

10:30-10:45: *Coffee Break*

10:45-11:30: Model Cross-Validation

Different approaches to cross-validating one's model are presented and issues relating to a model's replicability, robustness and generalizability examined.

11:30-13:00: Examples of different kinds of models I and II