Software Short Course On

MODELING AND DATA ANALYSIS IN PHARMACOKINETICS AND PHARMACODYNAMICS USING ADAPT II

July 28 - 29, 1994

Division of Biopharmaceutics
Food and Drug Administration
Rockville, Maryland

David Z. D'Argenio, Ph.D.
Co-Director Biomedical Simulations Resource
Department of Biomedical Engineering
University of Southern California

ADAPT II Short Course Schedule

Food and Drug Administration

Thursday, July 28, 1994

8:30   Short Course Overview

8:45   Modeling with ADAPT II

9:45   Case Study: Doses and Covariates

10:45   **Break**

11:00   Nonlinear Parameter Estimation

12:00   **Lunch Break**

1:00   Case Study: WLS & Maximum Likelihood Estimation

1:45   Case Study: Multiresponse Estimation

2:30   **Break**

2:45   Case Study: Bayesian Estimation

3:30   Pharmacokinetic/Pharmacodynamic Modeling

3:45   Case Study: Simultaneous PK/PD Modeling

4:30   **Summary**

ADAPT II Short Course Schedule

Food and Drug Administration

Friday, July 29, 1994

8:30	Design of Experiments
9:30	Case Study: Sample Schedule Design
10:30	**Break**
10:45	Population Simulation
11:15	Case Study: Organ Uptake Simulation
12:00	**Lunch Break**
1:00	Advanced Modeling Features of ADAPT II
1:45	Case Study: Modeling Time Delays
2:30	**Break**
2:45	Case Study: Multiple Formulations
3:30	Case Study: More PK/PD Modeling
4:15	**Closing Remarks**