

# Example Mini ERP Boot Camp Schedule

## Day 1

8:30 a.m.-10:15 a.m.

Lecture 1: Introduction to ERPs and Common ERP Components

*Reading: Luck (2005, Ch. 1)*

10:15 a.m.-10:30 a.m.

Coffee Break

10:30 a.m.-11:00 a.m.

Lecture 1: Introduction to ERPs and Common ERP Components (continued)

11:00 a.m.-12:00 p.m.

Lecture 2: Basic Principles of ERP Recording

*Reading: Luck (2005, Ch. 3)*

12:00 p.m.-1:00 p.m.

Lunch Break

1:00 p.m.-2:00 p.m.

Lecture 2: Basic Principles of ERP Recording (continued)

2:00 p.m.-3:00 p.m.

Lecture 3: Averaging and Artifacts

*Reading: Luck (2005, Ch. 4)*

3:00 p.m.-3:15 p.m.

Coffee Break

3:15 p.m.-5:00 p.m.

Lecture 3: Averaging and Artifacts (continued)

5:30 p.m.

Dinner with small group of interested individuals

## Day 2

8:30 a.m.-10:15 a.m.

Lecture 4: Filtering and Time-Frequency Analysis

*Reading: Luck (2005, Ch. 5)*

10:15 a.m.-10:30 a.m.

Coffee Break

10:30 a.m.-12:00 p.m.

Lecture 4: Filtering and Time-Frequency Analysis

*Reading: Luck (2005, Ch. 5)*

12:00 p.m.-1:00 p.m.

Lunch Break

1:00 p.m.-3:00 p.m.

Lecture 5: Measurement and Statistics

*Reading: Luck (2005, Ch. 6)*

3:00 p.m.-3:15 p.m.

Coffee Break

3:15 p.m.-5:00 p.m.

Lecture 6: The Design and Interpretation of ERP Experiments

*Reading: Luck (2005, Ch. 2)*

## Day 3 (half day)

8:30 a.m.-10:15 a.m.

Lecture 7: Examples of Experimental Design

*Reading: Vogel et al. (1998), Luck et al. (2009)*

10:15 a.m.-10:30 a.m.

Coffee Break

10:30 a.m.-12:00 p.m.

Lecture 7: Examples of Experimental Design (continued)

12:00 p.m.

Lunch with small group of interested individuals

### **Readings**

Luck, S.J. (2005). *An Introduction to the Event-Related Potential Technique*. Cambridge, MA: MIT Press.

Luck, S. J., Kappenman, E. S., Fuller, R. L., Robinson, B., Summerfelt, A., & Gold, J. M. (2009). Impaired response selection in schizophrenia: Evidence from the P3 wave and the lateralized readiness potential. *Psychophysiology*, 46, 776-786.

Vogel, E.K., Luck, S.J., and Shapiro, K.L. (1998). Electrophysiological evidence for a postperceptual locus of suppression during the attentional blink. *Journal of Experimental Psychology: Human Perception and Performance*, 24, 1656-1674.

### **Other Available Lectures and Activities**

Lecture: Basic principles of ERP localization

Lecture: How to set up and run an ERP lab

Lecture: Overview of ERPLAB Toolbox data analysis software

Activity: Laboratory visit

Activity: Small group discussion