Text: Karlin, R. *Behavioral Statistics In Simple English –5th Ed., Rev. 1*
Available at NJ Books and Rutgers Bookstore.

(Recitation schedule is shown after lecture schedule)  
**NO RECITATIONS UNTIL Feb 6 & 7**

R. Karlin:  rakarlin@rci.rutgers.edu  Office hours Psych Bldg 333 Th. 3:30-4:30

Lecture: T/Th Sect. 1-4 meets 5:00-6:20- in Hill 114

C. Wyszinski,  christopher.w@rutgers.edu  Office hours Psych Bleg 319 Th 12-1

Section 1 (W- 10:20) SEC 208  Section 3 (Th – 1:40) SEC 208

Mehgan McLean  mehganmclean@rutgers.edu  Office hours TBA

Section 2 (W- Noon) SEC 208  Section 4 (Th – 3:20) SEC 210

Date  Lecture and assignment

1/22  First class: Class business and basic math test

1/24  Lecture:  The basics: Mean, variance, & standard deviation
Assigned:  Read Chapter 2, Log onto Sakai website. Read syllabus (or at least look thru it).

1/29  Lecture:  Frequency distributions: Actual and theoretical; Film: Graphic displays
Assigned:  Read Chapter 3

1/31  Lecture:  The Normal Curve
Assigned:  Read Chapter 4.

2/5  Lecture:  Z scores are THE scores
(Remember, recitations begin this week, starting Tuesday, 1/30.)
Assigned:  Review Chapter 4, Go over CPE 4.7-4.9 (Start harder material)

2/7  Lecture:  The standard error of the mean and Confidence intervals
Assigned:  Read Chapter 5

2/12  Lecture:  Degrees if freedom and estimating population parameters
Assigned:  Read Chapter 6.

2/14  Lecture:  The t distribution, estimated CIs, and hypothesis testing
Assigned:  Read Chapter 7

2/19  Lecture:  Correlation 1
Assigned:  Review Chapter 7

2/21  Lecture:  Correlation 2
Assigned:  Read Chapter 8

2/26  Lecture:  Regression 1
Assigned: Review Chapter 8

2/28
Lecture: Regression 2
Assigned: Review the null hypothesis, p levels, etc.

3/5
Lecture: Hypothesis testing: \( H_0 \) and \( H_1 \), individual differences, and the limits of inference in correlational research.
Assigned: Review for midterm

3/7
Lecture: Review for midterm - Chapters 1-6.
Assigned: Review for midterm

3/12
Lecture: Review for midterm - Chapters 7-8.
Assigned: Review for midterm

3/14
MIDTERM EXAM Conceptual half in class (closed book).
Ch.1-8. See recitation schedule for computational part of the exam.

3/16-3/24 & 3/26
NO CLASS
Assigned: Read Chapter 9

3/28
Lecture: Random assignment and the Experimental method
Assigned: Review Chapter 9

4/2
Lecture: One way, independent groups ANOVA 1
Assigned: Review Chapter 9

4/4
Lecture: One way, independent groups ANOVA 2
Assigned: Read Chapter 10.

4/9
Lecture: Factorial ANOVA 1
Assigned: Review Ch.10.

4/11
Lecture: Factorial ANOVA 2
Assigned: Read Ch. 11.

4/16
Lecture: The problem of multiple pairwise comparisons: Dunnett’s t & Tukey’s HSD
Assigned: Read Ch. 12 (New Chapter 12 – it is under the resources tab)

4/18
Lecture: Determining beta, power, and sample size and (if time) some meta-analysis
Assigned: Read Chapter 13.

4/23
Lecture: Assumptions underlying parametric statistics and using the \( F_{\text{MAX}} \) test
Assigned: Read Chapter 14.

4/25
Lecture: Chi Square
Assigned: Review for Final

4/30
Lecture: Review for final (cumulative)
Due: COPY OF EXTRA CREDIT (ALSO SEE RECITATION SCHED.)
Assigned: Review for final

5/2
Lecture: Review for final (cumulative)
Assigned: Review for final

5/15
FINAL EXAM: 4-7 PM Probably in Hill 114. CHECK FOR LOCATION.
Recitation Schedule: *First recitations* = 2/6 & 2/7  *(No Recitations First 2 Weeks of Semester)*

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<td>Basics and the normal curve (Ch.1–3)</td>
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<td>2/13-2/14</td>
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<td>Z scores, scale scores, standard errors and CIs. (Ch.4)</td>
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<td>2/20-2/21</td>
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<td>t curves, df, standard errors and CIs with t (Ch. 5 – 6)</td>
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<td>Correlation (Ch.7)</td>
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<td>Regression and the null hypothesis (Ch.8)</td>
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<td>3/13-3/14</td>
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<td><strong>MIDTERM</strong> Computational part in recitation (open book, notes, calculators)</td>
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A review for the final may be scheduled by your recitation instructor during May. Check on this.