**Course and Program Development: IMPACT AND APPROVAL SIGNATURES**

See Course and Program Development Policy and Procedures ([www.ubalt.edu/provost](http://www.ubalt.edu/provost)) for instructions.

**SCHOOL:**
- LAW
- MSB
- CAS
- CPA

**CONTACT NAME:** Dr. John Bates  
**PHONE:** 410-837-6560

**DEPARTMENT/DIVISION:** Division of Applied Behavioral Sciences  
**DATE PREPARED:** 11/3/11

**PROPOSED SEMESTER OF IMPLEMENTATION:**  
- fall
- spring  
**YEAR:** 2012

**TYPE OF ACTION:**
- add (new)
- deactivate
- modify
- other

**LEVEL OF ACTION:**
- noncredit
- undergraduate
- graduate
- other

**ACTION BEING REQUESTED** (select one category, either Course Actions or Program Actions):

- **COURSE ACTIONS**

  **Original Subject Code/Course Number:** PSYC 308

  **Original Course Title:** Research Methods & Statistics I

- **PROGRAM ACTIONS**

  **Original Program Title:**

  **Select one or multiple actions from one of the lists below (review the list of necessary documents and signatures):**

<table>
<thead>
<tr>
<th>COURSE ACTIONS</th>
<th>PROGRAM ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Experimental Course</td>
<td>10. Program Requirements</td>
</tr>
<tr>
<td>2. Course Title</td>
<td>11a. Undergraduate Specialization (24 credits or fewer)</td>
</tr>
<tr>
<td>3. Course Credits</td>
<td>11b. Master’s Specialization (12 credits or fewer)</td>
</tr>
<tr>
<td>4. Course Number</td>
<td>11c. Doctoral Specialization (18 credits or fewer)</td>
</tr>
<tr>
<td>5. Course Level</td>
<td>12. Minor (add or delete)</td>
</tr>
<tr>
<td>√ 6. Pre- and Co-Requisite</td>
<td>13. Closed Site Program</td>
</tr>
<tr>
<td>7. Course Description</td>
<td>14. Program Suspension</td>
</tr>
<tr>
<td>8. New Course</td>
<td>15. Program Reactivation</td>
</tr>
<tr>
<td>9. Deactivate Course</td>
<td>16a. Certificate Program (UG/G) exclusively within existing degree program</td>
</tr>
<tr>
<td></td>
<td>16b. Certificate Program (UG/G) outside of or across degree programs (12 or more credits)</td>
</tr>
<tr>
<td></td>
<td>17. Off-Campus Delivery of Existing Programs</td>
</tr>
<tr>
<td></td>
<td>18a. Undergraduate Concentration (exceeds 24 credits)</td>
</tr>
<tr>
<td></td>
<td>18b. Master’s Concentration (exceeds 12 credits)</td>
</tr>
<tr>
<td></td>
<td>18c. Doctoral Concentration (exceeds 18 credits)</td>
</tr>
<tr>
<td></td>
<td>19. Program Title Change</td>
</tr>
<tr>
<td></td>
<td>20. Program Termination</td>
</tr>
<tr>
<td></td>
<td>21. New Degree Program</td>
</tr>
<tr>
<td></td>
<td>22. Other</td>
</tr>
</tbody>
</table>

**ADDITIONAL DOCUMENTATION** (check all appropriate boxes of documents included; review the list of necessary documents):

- √ summary proposal (O)  
- √ course definition document (P)  
- √ full five-page MHEC proposal (Q)  
- financial tables (MHEC) (R)  
- other documents as may be required by MHEC/USM (S)  
- other (T)
### IMPACT REVIEW (review the list of necessary signatures):

<table>
<thead>
<tr>
<th>Impacted Entity</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Library</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ impact statement attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. OTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ impact statement attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. University Relations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ impact statement attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Admissions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ impact statement attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Records</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ impact statement attached</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### APPROVAL SEQUENCE (review the list of necessary signatures):

<table>
<thead>
<tr>
<th>Approval Level</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Department/Division (Chair)</td>
<td>Deborah Keck</td>
<td>11-19-11</td>
</tr>
<tr>
<td>B. General Education (for No. 7, 8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Final Faculty Review Body Within Each School (Chair)</td>
<td>M. Hodgins</td>
<td>12-12-11</td>
</tr>
<tr>
<td>D. Dean</td>
<td></td>
<td>1-6-12</td>
</tr>
<tr>
<td>E. University Faculty Senate (Chair)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F. University Council (Chair)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G. Provost and Senior Vice President for Academic Affairs</td>
<td>Beverly Schnelle</td>
<td>2/9/2012</td>
</tr>
<tr>
<td>H. President</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. Board of Regents (notification only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J. Board of Regents (approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K. MHEC (notification only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L. MHEC (approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M. Middle States Association notification</td>
<td>Required only if the University's mission is changed by the action</td>
<td></td>
</tr>
</tbody>
</table>

1 University Council review (for recommendation to the president or back to the provost) shall be limited to curricular or academic policy issues that may potentially affect the University’s mission and strategic planning, or have a significant impact on the generation or allocation of its financial resources.
**Course and Program Development: SUMMARY PROPOSAL**

See Course and Program Development Policy and Procedures (www.ubalt.edu/provost) for instructions.

**SCHOOL:**
- LAW
- MSB
- CAS
- CPA

**CONTACT NAME:** Dr. John Bates

**PHONE:** 410-837-6560

**DEPARTMENT/DIVISION:** Division of Applied Behavioral Sciences

**DATE PREPARED:** 11/3/11

**PROPOSED SEMESTER OF IMPLEMENTATION:**
- FALL
- SPRING

**YEAR:** 2012

**ACTION BEING REQUESTED**

- COURSE ACTIONS
- PROGRAM ACTIONS

**Original Subject Code/Course Number:** PSYC 308

**Original Course Title:** Research Methods & Statistics I

**Select one or multiple actions from one of the lists below (review the list of necessary documents and signatures):**

**COURSE ACTIONS**

- 1. Experimental Course
- 2. Course Title
- 3. Course Credits
- 4. Course Number
- 5. Course Level
- ✓ 6. Pre- and Co-Requisite
- 7. Course Description
- 8. New Course
- 9. Deactivate Course
- 22. Other

**PROGRAM ACTIONS**

- 10. Program Requirements
- 11a. Undergraduate Specialization (24 credits or fewer)
- 11b. Master's Specialization (12 credits or fewer)
- 11c. Doctoral Specialization (18 credits or fewer)
- 12. Minor (add or delete)
- 13. Closed Site Program
- 14. Program Suspension
- 15. Program Reactivation
- 16a. Certificate Program (UG/S) exclusively within existing degree program
- 16b. Certificate Program (UG/S) outside of or across degree programs (12 or more credits)
- 17. Off-Campus Delivery of Existing Programs
- 18a. Undergraduate Concentration (exceeds 24 credits)
- 18b. Master’s Concentration (exceeds 12 credits)
- 18c. Doctoral Concentration (exceeds 18 credits)
- 19. Program Title Change
- 20. Program Termination
- 21. New Degree Program
- 22. Other

**For changes to existing courses:**

<table>
<thead>
<tr>
<th>OLD TITLE</th>
<th>SUBJECT CODE/COURSE NO.</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW TITLE</td>
<td>SUBJECT CODE/COURSE NO.</td>
<td>CREDITS</td>
</tr>
</tbody>
</table>

Summer 2010
DESCRIBE THE REQUESTED COURSE/PROGRAM ACTION (additional pages may be attached if necessary):

The above course currently enforces PSYC 200 (Introduction to Professional Practices) and WRIT 300 (Advanced Expository Writing) and satisfaction of lower-division general education computer literacy requirement, or their equivalents as pre-requisites. The division would like to keep PSYC 200 and satisfaction of lower-division general education computer literacy requirement, or their equivalents as pre-requisites, but change WRIT 300 to a co-requisite for the course.

SET FORTH THE RATIONALE FOR THIS PROPOSAL:

The prerequisite of WRIT 300 has created a serious bottleneck for student enrollment in PSYC 308. Changing WRIT 300 to a co-requisite should maintain students' preparation for the APA style writing demands of the PSYC 308 term paper, while reducing the enrollment bottleneck significantly.
1. DATE PREPARED

November 3, 2011

2. PREPARED BY

Dr. John Bates

3. DEPARTMENT/DIVISION

Division of Applied Behavioral Sciences

4. COURSE NUMBER(S) with SUBJECT CODE(S)

PSYC 308

5. COURSE TITLE

Research Methods and Statistics I

6. CREDIT HOURS

3

7. CATALOG DESCRIPTION

Integrated study of descriptive psychological research methods and corresponding statistical concepts. Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression. Students participate in data collection, data analysis and interpretation by means of the microcomputer Statistical Package for the Social Sciences (SPSS) and in the writing of APA-style research reports.

8. PREREQUISITES

PSYC 200 (Introduction to Professional Practices) and satisfaction of lower-division general education computer literacy requirement, or their equivalents. Co-requisite: Satisfactory completion of or concurrent enrollment in WRIT 300 (Advanced Expository Writing).

9. COURSE PURPOSE (how the course is to be used in the curriculum; e.g., required for the major, elective, etc.)

Required for the major

10. GENERAL EDUCATION AREA (if applicable; e.g., social sciences, humanities, mathematics, etc.)

N/A
11. COURSE TYPE/COMPONENT (clinical, continuance, discussion, field studies, independent study, laboratory, lecture, practicum, research, seminar, supervision, thesis research, tutorial or workshop; this must match PeopleSoft 9.0 coding, so check with your dean's office if you are unsure of the correct entry)

Lecture

12. FACULTY QUALIFIED TO TEACH COURSE

Dr. John Bates, Dr. Deborah Kohl, Dr. Thomas Mitchell, Dr. Sally Farley, Dr. Elaine Johnson, Dr. Courtney Gasser, Dr. David Goode-Cross, Dr. Kristen Eyssell

13. CONTENT OUTLINE

1. Introduction to the Scientific Methods
2. Ethical Issues and Standards in Psychological Research
3. Reliability and Validity of Measurement
4. Descriptive Research Questions and Design Issues
   a. Sampling Techniques
   b. Observational Methods and Data Collection Techniques
   c. Survey Methods and Data Collection Techniques
   d. Case-Study Methods and Data Collection Techniques
5. Summarizing Data via Graphing, Frequency Distributions, and Percentiles
6. Central Tendency and Variability of Quantitative Data
7. Summarizing Data via z-Scores and Other Standard Scores
8. Correlational Research and linear Regression
9. Chi-square Analysis of Frequency Data

14. LEARNING GOALS

By the end of this course, student will be able to

1. Name and discuss the key features of the scientific method.
2. Discuss the ethical issues and standards involved in the designing and conducting of psychological research.
3. Design and implement appropriate descriptive research techniques, including naturalistic observations and surveys.
4. Use the Statistical Package for the Social Sciences (SPSS) for the conducting of descriptive statistical analyses.
5. Summarize data obtained from descriptive research via graphing and the calculation of appropriate descriptive statistics and standard scores.
6. Calculate and assess relationships among naturally occurring variables, including chi-square and correlational analysis.
7. Identify predictive relationships by means of simple linear regression analysis.

15. ASSESSMENT STRATEGIES

Objective exams and assignments will be used to assess student learning with respect to each of the above objectives. In addition, all students will be expected to take part in the design, implementation, analysis, and reporting of descriptive psychological research, and will write individual and/or team-based research reports conforming to APA style and format standards.
16. **SUGGESTED TEXT(S) and MATERIALS** (e.g. textbooks, equipment, software, etc., that students must purchase)


This text and the accompanying study guide are designed specifically for a two-semester psychology course that integrates descriptive and experimental research methods with descriptive and inferential statistical procedures. They or their equivalents will be used as the primary texts for both PSYC 308 and PSYC309.

17. **SPECIAL GRADING OPTIONS** (if applicable)

N/A

18. **SUGGESTED CLASS SIZE**

25

19. **LAB FEES** (if applicable)

$5