PSYC 355

Statistics for Psychology Majors

*Note: All content provided in the professor’s notes, course chart and course syllabus are based on the professor’s opinion and may vary from professor to professor & student to student. All content may be changed without notice. This information is for the purpose to provide analysis but is not binding in any form.

Course Syllabi
Course Charts
Professor’s Notes
Psyc 355 – Statistics for Psychology Majors
Professor’s notes*
As of August 2008

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From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the overall level of difficulty of this course?
Level of demand = 7
This course will require up to two to three hours of work daily. I would not recommend taking additional courses when enrolled in stats. Doing well in this course requires that you think and practice, then think about it, and then practice some more, and then think about is some more. So it requires daily involvement, and doesn’t lend itself to a ‘weekends only’ approach to studying.

From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the level of the reading requirements in this course?
Level of demand = 6
The text book is necessary for supplemental understanding of the material. There is a work text to be completed as videos are watched. The course relies heavily on learning activities, such as examples and practice problems, as well as homework problems in addition to watching videos and completing the work text.

From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the level of the lecture requirements in this course?
Level of demand = 7
There are 18 video taped lectures which explain the statistical concepts. These are available on video or DVD’s.

From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the level of the online exam requirements in this course?
Level of demand = 7
This course contains 4 online, timed, multiple choice exams. The exams assume understanding and application of statistical concepts. Exams are comprehensive and cumulative. There are 4 practice quizzes to aid in preparation for exams.

From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the level of the discussion board requirements in this course?
2
Level of demand =3
While discussion board participation aids in understanding of course material, it is not a required graded item.

From a Scale 1-10 (1 = low demands; 5 = moderate demands; 10 = very demanding),
How would you rate the level of the written paper requirements in this course?
Level of demand = 3
There are no papers for this course. There are however 4 comprehensive, cumulative homework assignments. Students will find themselves continually working out problems on the videos, in the work text, and in the text book.

**Additional comments:**
Adequate preparation for this course is a must. Math 201 is a pre-requisite to Psyc 355 because it makes such a difference in your experience in this course.
The course requires daily, concentrated effort in order to succeed. Statistics is learned by understanding (not memorizing) the concepts and applying that understanding to word problems. It has less to do with math and more to do with decision making and logic.

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COURSE SYLLABUS

COLLEGE OF ARTS & SCIENCES
DEPARTMENT OF PSYCHOLOGY

PSYC 355
STATISTICS IN PSYCHOLOGY

COURSE DESCRIPTION
Introduction to statistical methodology in the social sciences, particularly as related to psychological measurement and development of scientific research studies involving quantitative investigation.

RATIONALE
The purpose of this course is to acquaint the undergraduate psychology major with basic descriptive and inferential statistical analysis. The course will draw heavily upon decision-making regarding the selection of appropriate analytic techniques and interpretation of statistical results. Because today’s work environment demands computer literacy, this course requires familiarization with computerized data analysis and file transfer.

I. PREREQUISITES
PSYC 255 and Math 201

II. REQUIRED RESOURCE PURCHASES


9-Disc DVD set available through MBS Direct.

SPSS for Windows (Statistical Package for the Social Sciences)
*The student must obtain a version of SPSS 14 or higher.

System Requirements for version 15: Windows XP and Microsoft Office. Please note that this software is not available for Apple Macintosh computers, and Windows Vista users will need to download a patch before installing SPSS. Go to http://support.spss.com/ for full instructions.
### COURSE CHART

**PSYC 355**


<table>
<thead>
<tr>
<th>WEEK</th>
<th>READING &amp; STUDY</th>
<th>LEARNING ACTIVITIES</th>
<th>PERCENT</th>
</tr>
</thead>
</table>
| 1    | Anderson, Work text 1.1–1.2  
      | DVD Lessons 1 & 2  
      | Thorne, Chs. 1–5 (skim 3 & 4)  
      | SPSS Graphing Tutorial Part 1  
      | Chs. 2 & 5 Practice Problems  
      | Team DB posts | |
| 2    | DVD Lessons 2 & 3  
      | First part of DVD Lesson 4  
      | Thorne, Chs. 6–8  
      | Chs. 6 & 8 Practice Problems  
      | Team DB posts  
      | Unit 1 Homework (submitted by Saturday midnight)  
      | Unit 1 Practice Exam  
      | Exam 1 (to be completed by Sunday midnight) | |
| 3    | Anderson, Work text 2.1–2.3  
      | DVD Lessons 4–9  
      | Thorne, Chs. 9–10  
      | SPSS Graphing Tutorial for Unit 2  
      | Chs. 9 & 10 Practice Problems  
      | Team DB posts | |
| 4    | DVD Lessons 10–12  
      | Thorne, Ch. 11  
      | Ch. 11 Practice Problems  
      | Team DB posts | |
| 5    | DVD Lessons 10–12  
      | Thorne, Chs. 11–12  
      | Ch. 12 Practice Problems  
      | Team DB posts  
      | Unit 2 Homework (due Saturday midnight)  
      | Unit 2 Practice Exam  
      | Exam 2 (to be completed by Sunday midnight) | |
| 6    | Anderson, Work text 3.1  
      | DVD Lesson 13  
      | Thorne, Ch. 14  
      | SPSS Graphing Tutorial for Unit 3  
      | Ch. 14 Practice Problems  
      | Team DB posts | |
| 7    | DVD Lessons 14–15  
      | Thorne, Ch. 15  
      | Ch. 15 Practice Problems  
      | Team DB posts  
      | Unit 3 Homework (due Saturday midnight)  
      | Unit 3 Practice Exam  
      | Exam 3 (to be completed by Sunday midnight) | |
| 8    | Anderson, Work text 4.1  
      | DVD Lessons 16–18  
      | Thorne, Ch. 13  
      | SPSS Graphing Tutorial for Unit 4  
      | Ch. 13 Practice Problems  
      | Team DB posts  
      | Unit 4 Homework (due Friday midnight)  
      | Unit 4 Practice Exam  
      | Exam 4 (to be completed by Friday midnight) | |

**TOTAL**

**NOTE:** Each week begins on Monday morning at 12:00 a.m. (ET) & with the exception of week 8, each ends at 11:59 p.m. (ET) Sunday. *Average of Homework Scores = 25% of final grade ** Participation in Team DB’s for EACH Unit = 15% of final grade*
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