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| **Spring 2018 Course Outline BSAD 6313: Analysis of Variance** | | | | | | | | | |
|  |  |  |  | |  | |  | |  | |
|  | **Professor** | **Mary M. Whiteside, Ph.D.** | |  | |  | |  | |
|  | **Section** | 001 |  | | **ID** | | 23057 | |  | |
|  | **Hours & Room** | Tuesday 2:00 - 4:50 p.m.; COBA 139 | | | |  | |  | |
|  | **Text** | *Doing Statistical Mediation and Moderation* by Paul E. Jose, | | | | | |  | |
|  |  | <http://www.statsoft.com/Textbook/ANOVA-MANOVA> | | | | | |  | |
|  |  | http://onlinestatbook.com/2/ | |  | |  | |  | |
|  | **Software** | Your choice or NCSS by Jerry Hintze | |  | |  | |  | |
|  | **Office Hours** | M 2 - 3, Th 11 - 12 and by appointment | | | |  | |  | |
|  | **Office** | [COBA 535](file:///C:\Users\whiteside\Documents\My%20Web%20Sites\mysite\) |  | |  | |  | |  | |
|  | **Phone** | (817) 272-3517 |  | |  | |  | |  | |
|  | **FAX** | (817) 272-5801 |  | |  | |  | |  | |
|  | **e-mail** | whiteside@uta.edu | |  | |  | |  | |
|  | **Grading Policy** | Class participation & homework | | | |  | | 10% | |
|  |  | Midterm exam |  | |  | |  | | 30% | |
|  |  | Individual project |  | |  | |  | | 30% | |
|  |  | Comprehensive final exam | |  | |  | | 30% | |
|  |  |  |  | |  | |  | | 100% | |
|  |  | There will be no make-up exams. If a student misses the Midterm Exam, the | | | | | |  | |
|  |  | Final Exam will count 60% of the grade. | | | |  | |  | |
| **Week** | **Date** | **Topic** |  | |  | | **Reading assignments: Text** | | **Homework** | |
| 1 | 16-Jan | Introduction |  | |  | | SoftStat Text | |  | |
| 2 | 23-Jan | One-way designs |  | |  | | Basic Ideas | |  | |
| 3 | 30-Jan | Factorial designs & interaction | | | | Basic Ideas | | 1 | |
| 4 | 6-Feb | Factorial designs & interaction | | | | Basic Ideas | | 2 | |
| 5 | 13-Feb | Inferences for factor level effects | | | | Multiple Comparisons | | 3 | |
| 6 | 20-Feb | Inferences for factor level combinations | | | | Multiple Comparisons | | 4 | |
| 7 | 27-Feb | Review |  | |  | |  | | 5 | |
| 8 | 6-Mar | **Midterm Exam** |  | |  | |  | |  | |
| 9 | 13-Mar | **Spring Break !!!!** |  | |  | |  | |  | |
| 10 | 20-Mar | Diagnostics, remedial measures |  | |  | | Assumptions | | 6 | |
| 11 | 27-Mar | Ancova and blocked designs | | | | Complex Designs | | 7 | |
| 12 | 3-Apr | Repeated measures; Random, nested | |  | | Complex designs | |  | |
| 13 | 10-Apr | Basic mediation and special topics | |  | | Chapter 3, 4 | | 8 | |
| 14 | 17-Apr | Basic moderation and special topics |  | |  | | Chapter 5, 6 | | 9 | |
| 15 | 24-Apr | Mediated moderation and moderated mediation |  | |  | | Chapter 7 | | 10 | |
| 16 | 1-May | Individual project presentations | | | |  | | Project | |
| 17 | 8-May | **Final Exam 2:00 - 4:30 pm** | |  | |  | |  | |