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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%3A%5CUsers%5Cwhiteside%5CDocuments%5CMy%20Web%20Sites%5Cmysite%5C) |  |  |  |  |
|  | **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** |  |   |   |