

**STATISTICS 302-3**  
**ANALYSIS OF EXPERIMENTAL AND OBSERVATIONAL DATA**

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**Fall 2001**  
**DAY COURSE**  
**STATISTICS WORKSHOP**

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**Instructor: J. Reilhan**  
**Lab Instructor: R. Insley**

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**Prerequisite:**

STAT 101 (or MATH 101) or STAT 102 (or MATH 102) or STAT 103 or STAT 270 (or MATH 272) or STAT 301 or ARCH 376 or BUEC 232 (formerly 332). Students with credit for MATH 302 may not take STAT 302 for further credit. [Mathematics major and honors students may not use this course to satisfy the required number of semester

5. **The General Linear Model**

Multiple Regression and analysis of variance as special cases of the general linear model. The general procedure for constructing F-tests by fitting restricted models. Applications to analysis of covariance and comparison of two regression model.

6. **Correlations: Multiple, Partial and Multiple-Partial**