

FALL 2002
STATISTICS 700A

Textbooks: (MMV) Generalized Linear Models
R. H. Myers, D. C. Montgomery, G. G. Vining WILEY

(MS) Generalized, Linear, and Mixed Models
C. E. McCulloch and S. R. Searle WILEY

References: (HL) Applied Logistic Regression
D. W. Hosmer and S. Lemeshow, WILEY
Allison(1991), SAS and S-PLUS Manuals

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Syllabus

Review of Maximum Likelihood Estimation	Ch. 1 of MS
Review of Linear and Nonlinear Regression Models	Ch. 1-3 of MMV
	Ch. 3, 4 of MS
Logistic Regression Models	Ch. 4 of MMV
	Ch. 1-5 of HL
Poisson Regression Models	Ch. 4 of MMV
Estimation of Generalized Linear Models	Ch. 5 of MMV
	Ch 5, 10 of MS
Generalized Estimating Equations	Ch. 6 of MMV
Intro to Generalized Linear Mixed Models	Ch. 6 and 8 of MS
Selected topics from	
Ch. 7 of MMV and	
Ch. 7 of MS	

Grading Scheme

Homework/Projects	Weekly	50%
Mid term	In Class–Oct	25%
Final Project	Nov-Dec	25%

The following statement is in accordance with new University policy:

By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, or the UMBC Policies section of the UMBC Directory.

Please note that for this class, the right to check picture identification during any examination/quiz is reserved.