

**Syllabus**  
**Quantitative Analysis and Decision Theory for Business**  
Sul Ross State University, SS II 2015

GBA 5309:001 Techniques and application of quantitative tools and theories useful for analyzing problems and making decisions. An elementary statistics course is recommended as a prerequisite.

Instructor: Ellie Meyer, 1.432.923.3143 cell (phone or text); [elenaadam@yahoo.com](mailto:elenaadam@yahoo.com) email

Textbook: ***Quantitative Methods: For Decision Makers***, Kik Wisniewski, Fifth Edition, Prentice Hall, ISBN: 978-0-273-71207-7 (required)

Week 1 Chapter 1, Introduction, Page 1-15

Week 1 Chapter 2, Tools of the Trade, Page 19-44

Week 2 Chapter 3, Presenting Management Information, Page 46-92

Week 2 Chapter 4, Management Statistics, Page 98-141

Week 2 Chapter 5, Probability and Probability Distributions, Page 145-192

Week 3 Chapter 6, Decision Making Under Uncertainty, Page 194-214

Week 3 Chapter 7, Market Research and Statistical Inference, Page 217-267

Week 3 Chapter 8, Quality Control and Quality Management, Page 274-295

Week 4 Chapter 9, Forecasting I: Moving Averages and Time Series, Page 297-339

Week 4 Chapter 10, Forecasting II: Regression, Page 346-409

Week 5 Chapter 11, Linear Programming, Page 409-439

Week 5 Chapter 12, Stock Control, Page 442-467

Week 5 Chapter 13, Project Management, Page 469-500

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Weekly Assignments	30 points
Mid-term Exam	20 points
Final Exam	30 points
Paper/Project	20 points
Total possible points	100 points

NOTE: The professor has the option to change the order and number of chapters covered based on the needs of the students enrolled.