

Syllabus
Quantitative Analysis and Decision Theory for Business
Sul Ross State University, Spring 2015
Web Course sections W01 and W02

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GBA 5309: 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 email

Textbook: ***Quantitative Methods: For Decision Makers***, Kik Wisniewski, Fifth Edition, Prentice Hall, ISBN: 978-0-273-71207-7 (required)
Quantitative Analysis for Management, Render, Stair, Hanna, Edition 11 (suggested reference text)

Week 1 Chapter 1, Introduction, Page 1-15

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

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

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

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

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

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

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

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

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

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

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

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

Week 14 Chapter 14, Simulation Page 505-533

Week 15 Chapter 15, Financial Decision Making, Page 536-563

Weekly Assignments 30 points

Mid-term Exam 30 points

Final Exam 40 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.