EBGN 425/525 - Business Analytics

Sping 2019

Lectures	Tuesday, Thursday	CoorsTek 140	2:00pm - 3:15pm
Instructor	Jesse Wales		
	Office:	Brown Building W478	
	Office Hours:	Tuesday	10:30pm - 12:00pm
	email:	`jwales@mines.edu`	
Teaching Assistants	Joshua Pearson and Louis Kamga-Ngameni		
	Office:	Brown Building W478	
	Office Hours:	Wednesday	11:00am - 12:00pm

GENERAL INFORMATION

- **Credit**: This course is a three-hour lecture and credit-hour class.
- **Textbook (Required):** Cliff T. Ragsdale, Spreadsheet Modeling & Decision Analysis: A Practical Introduction to Business Analytics, 8th edition, ISBN: 978-1305947412.
- **Canvas:** There is a canvas site for this course, listed as EBGN425, Business Analytics. The bulletin description; policy on academic integrity and misconduct; discrimination, harassment and Title IX rights and responsibilities; solution sets; class handouts; and grades can be found there.
- **Disabilities:** The Colorado School of Mines is committed to ensuring the full participation of all students in its programs, including students with disabilities. If you are registered with Disability Support Services (DSS) and I have received your letter of accommodations, please contact me at your earliest convenience so we can discuss your needs in this course. For questions or other inquiries regarding disabilities, I encourage you to visit disabilities.mines.edu for more information.
- **Assignments:** There will usually be a weekly assignment, handed out on Thursday due the following Thursday in class. You must do your own work. Using solutions from past classes or searching for textbook solution keys is prohibited. Graduate students may have additional and/or different problems. Please direct any homework grading questions to the TA(s), who will be grading the homework assignments. *Do not send email to the TA!!*

- **Exams:** There will be a midterm and a final examination. You must wait 48 hours after the exam has been handed back to ask (me) any grading questions.
- **Project for Graduate Students:** There will be a project involving formulating, solving, and analyzing a problem. Students will present their project to the class.
- **Software:** This course will make use of Microsoft Excel with the Analysis TookPak and Solver Add-In.
- **Grading:**
  - ⋆ Class Participation: 5%
  - ⋆ Homework Assignments: 35%
  - ⋆ Midterm: 30%
  - ⋆ Final: 30% (held during final's week)
- **Grading for Graduate Students:**
  - ⋆ Class Participation: 5%
  - ⋆ Homework Assignments: 35%
  - ⋆ Project: 15%
  - ⋆ Midterm: 20%
  - ⋆ Final: 25% (held during final's week)

COURSE OUTLINE[1]

- Modeling
- Deterministic Optimization
- Regression Analysis
- Simulation
- Stochastic Optimization
- Decision Analysis
- Other Topics, Time Permitting: Data Mining, Statistics

[1]Students will be required to know the following material as the "learning outcome" of the class.

RULES

- Please do not send email regarding homework problems; come to office hours instead.
- Read the applicable sections of the book before coming to office hours.
- Statute of limitations for questions about grading is one week from the student's receipt of the graded work.
- Do not harass the TA(s).
- I do not want to see or hear your cell phone. Ever. This includes during office hours.
- Laptops can only be used for taking notes for this class.
- No rudeness of any kind towards anyone in the class will be tolerated.
- Do not talk to your neighbor during class.
- You may confer with others regarding the homework and project, but the work you hand in must be your own. Please ensure it is done neatly.
- Attendance in class is required. Be on time.
- Any alternate arrangements for exams must be submitted in writing at least one week in advance of the exam. Any additional arrangements regarding disabilities must be *formally* and *legally* documented and approved.

A minor infraction of the above rules will result in a warning. A major infraction will result in expulsion from the class.