Mathematics for Managers
Math 631, 3 credit hours
Spring 2015

Instructor: Dr. Robert Stack   **Office**: Online

Email: rstack@csc.edu

Required Text: None

Class meeting times & room: This class in online

Office hours: Online – please contact me via email through the CSCOnline course website

Catalog Description: Quantitative methods for managerial, educational administration, and public policy applications. Topics from discrete mathematics, data analysis, and operations research areas.

Learning Outcomes:
Upon satisfactory completion of the course, the student will be able to
1. Demonstrate use of basic principles of compound interest.
2. Show a basic understanding of probability as applied to financial situations.
3. Compute probabilities from a normal distribution.
4. Compute probabilities for a discrete random variable using elementary combinatorics.
5. Use exponential growth and linear growth to develop predictive models.
6. Utilize management skills as applied to mathematical models.

Grades: Grades will be determined by the following distribution:
Projects = 80%
Final Exam = 20%
Incompletes are discouraged and will only be given if C-level or better work has been maintained.

Grading Scale: This is the grading scale to be used in the class. The scale may be adjusted at the instructor's discretion.
A 90-100; B 80-89; C 70-79; D 60-69; F 59 and below

Projects: There will be five projects for this course. There will be a project due approximately every 3-4 weeks, with some projects overlapping each other. The topics for the projects will vary, with some being related to statistical concepts, while others will be related to finance/management concepts. The rubric for assessing these projects will be emailed to you the end of the 1st week of classes, along with the due dates.

Exams: There will be one exam (a final exam for this course). This exam will be a take-home exam and will be available to you prior to the last week of classes. You will have approximately one week to complete and submit the final exam.

Academic Honesty: Students are expected to conduct themselves in conformity with the highest standards with regard to academic honesty. Violation of college, state, or federal standards with regard to plagiarism, cheating, or falsification of official records will not be tolerated. Students violating such standards will be subject to discipline, as per campus policies articulated in the Student Handbook. Please request a copy of the student handbook from the Dean of Students (Crites 6280).

Attendance Policy: The College assumes that students will seek to profit from the instructional program and will recognize the importance of attending every class meeting of courses for which credit is expected. Responsibility for notifying faculty of absences, and for arranging potential make-up, rests with the students.

Civility: Civil behavior enhances the academic setting, and is expected at all times. The academic environment welcomes a difference of opinion, discourse, and debate within a civil environment.

Nondiscrimination Policy/Equal Educational Opportunity Policy: Chadron State College is committed to an affirmative action program to encourage admission of minority and female students and to provide procedures which will assure equal treatment of all students. The College is committed to creating an environment for all students that is consistent with nondiscriminatory policy. To that end, it is the policy of Chadron State College to administer its academic employment programs and related supporting services in a manner which does not discriminate on the basis of gender, race, color, national origin, age, religion, disability, or marital status. Student requests for reasonable accommodation based upon documented disabilities should be presented within the first two weeks of the semester, or within two weeks of the diagnosis, to the Disabilities Counselor (432-6461; CRITES 338).

Disclaimer: This syllabus and schedule is articulated as an expectation of class topics, learning activities, and expected student learning. However, the instructor reserves the right to make changes in this schedule that, within my professional judgment, would result in enhanced or more effective learning on the part of the students. These modifications will not substantially change the intent or objectives of this course and will be done within the policies and procedures of Chadron State College.

In accordance with the Nebraska State College System Policy 4141 the following represents the expected contact hours needed to ensure that the time involved in student learning is equivalent to that needed to attain the learning outcomes in comparable courses; learning outcome equivalency is achieved through multiple course modalities. It is expected that students will spend the following Hours per Week participating in each of the listed course activities.

	Hours Per Week	Total for Course
Learning Activity		
Direct Instruction	3	45
Reading & Interactive Multimedia	2	30
Homework	3	45
Group Work	0.5	7.5
Assessments	0.5	7.5
Total	**9**	**135**

*The actual hours spent on individual learning activities will vary from student to student depending on prior knowledge; however, 135 hours represents the **minimum** expectation for any student.*

Disclaimer: The completion of the minimum time commitment does not ensure a passing grade. Achievement of the course competencies must be demonstrated.