

STAT 141 – Expanded Course Description.

STAT 141: Basic Statistical Methods - Foundational course for students taking further quantitative courses. Topics include: Exploratory Data Analysis for both Quantitative and Categorical variables, Study/Experimental Design, Probability and Probability Distributions, Estimation and Hypothesis Testing for univariate and bivariate data (including Regression Inference and One-way ANOVA). JMP, a statistical software package is introduced, used for demonstrations, and student proficiency is assessed. Assessments may include (and are not limited to) Exams, Quizzes, JMP Labs, and Projects

Required Course Materials

Text and Online Homework Access Card

You will need the eBook or binder version of the required text, and an access card for MyStatLab online homework. Note that the homework access card comes with online access to the eBook, which is all that is required. The printed binder version of the textbook is optional.

Minimum Requirement:

Pearson's MyStatLab with eBook Access Code. ISBN 978-032-169464-5. This includes a homework access card with online access to the eBook.

If you would like a printed binder version of the textbook in addition to the homework access and eBook, choose the following bundle instead of the minimum requirement described above. "Intro to Stats" Binder w/My Stat Lab Access Code; DeVeaux, Velleman, and Bock; UVM 2nd Custom Edition; Pearson (4th Edition). ISBN 1269218131 . This includes a homework access card with online access to the eBook, plus a binder textbook.

Software

JMP software used in the course is provided by UVM; you do not need to purchase it. You may install JMP on your own computer free of charge under UVM's site license. JMP is also available for use on all computers across campus (Bailey Howe Library, Living/Learning, etc).

Graphing TI 83/84 Calculator

The TI 83/84 graphing calculator is required and will be used in class. Various statistical functions are built-in to the calculator which will be utilized in problem demonstrations and for exams.

Prerequisites: Math. 11, 13, 19 or 21, sophomore standing.