

# STAT COURSE STUDENT LEARNING OUTCOMES

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## STAT 152 - Introduction to Statistics

Students will be able to analyze sampling distributions by calculating and interpreting descriptive statistics, and by appropriately showing a graphical display of the distribution.

Students will be able to carry out a linear regression analysis by computing and interpreting the correlation coefficient and the least squares line of regression to predict values, interpret slope, identify outliers, and identify influential points.

Students will be able to describe a sampling distribution, carry out a hypothesis test about a population mean, and explain the conclusion of the hypothesis test.