



# PROBABILITY & STATISTICS 40

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Insert Teacher Name

Insert Room Number

Full Year

Insert Period

Insert Email Address

## COURSE DESCRIPTION

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Probability and statistics are recommended for those who want an elective that will be beneficial to many academic, medical, social, and business careers. Statistics topics studied include describing data with graphs, distributions, histograms and other graphical techniques, student will use statistical measures of center and spread. Probability topics include: probability rules, probability distributions - discrete, binomial, poisson, and normal distributions. Other topics studied are: sampling design, sampling distributions, testing and confidence intervals only for one mean and one proportion using z tests and t tests.

## COURSE OBJECTIVES

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Students should:

- Observe and describe patterns and departures from patterns.
- Plan and conduct a study using samples, experiments, and simulations.
- Explore random phenomenon using the normal distribution, probability, and simulation.
- Use statistical inference to make conclusions with confidence.
- Estimate population parameters and test hypotheses.

## UNITS OF STUDY

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- Producing Data
- Organizing Data
- Probability and Simulation
- Inference

## COURSE POLICIES AND REQUIREMENTS

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### GRADING

Summative Assessments:	Insert % Here (Minimum of 70%). Insert Categories/Weighting (ie. Papers – 30%)
Formative Assessments:	Insert % Here (Maximum of 30%). Insert Categories/Weighting (ie. Quizzes – 50%)
Behavioral Characteristics:	Insert % Here (Maximum of 10%) Insert Categories/Weighting (ie. Particip. - 90%)
Insert Additional Grading Information Here	

### MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

### EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

### EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here