

Class Syllabus & Information

Prob & Stats

Peter de Vry

Contacting me:

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In person I can be found in room 71C
For help see me Flex or after school

**This class is designed to be exploratory and participatory.
Your daily attendance and involvement is essential.**

What we'll study in semester 1:

Descriptive Statistics. Measure and describe characteristics and traits. Collect data, turn it into useful information, and present the results in ways that make sense. Draw conclusions and test whether those conclusions are valid. You will be measuring, surveying, and experimenting to collect real data for analysis.

There will be two tests: 1. Descriptive Stats; 2. Probability Distributions.

What we'll study in semester 2:

Probability. Explore sample space. Examine probability in different situations. Examine probability distributions, like the Normal Distribution, and use those to find the likelihood of events occurring. You will be drawing on your knowledge of dice, cards, and games, as well as experimenting to collect data to examine and compare to expected results.

There will be two tests: 1. Counting and Probability; 2. Probability Distributions and Confidence Intervals.

Materials:

Textbook: There is no textbook.

Quad ruled loose leaf paper for graphing and assignments.

Graphing Calculator TI-83, TI-84, TI-89, TI-Nspire or cell-phone with internet connection

Pencils, erasers, pens, and ruler

Behavioral expectations:

0. You are to follow all school rules.
1. You are expected to contribute to your learning and the learning of others.
2. You are expected to treat each other with respect, dignity, and trust.
3. You will do your best work.

Grading:

Your Semester grade is based on three things:

Content - written and oral assignments: 70%

Presentation - the quality of your assignments and class presentations: 10%

Tests - two, see above: 20%

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Your daily attendance and involvement is essential. It will affect your grade.**

Please Note:

Many exercises involve data collection and processing on the day. Consequently a lot of assignments cannot be made up if you are absent. This will affect your grade! Do not approach me if you have missed daily work and want to make it up. You cannot. **Absences WILL affect you grade!**

Daily work will have due dates and late work will not be accepted.