

**PROBABILITY AND STATISTICS WITH APPLICATIONS
2017-2018 SYLLABUS**

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PURSUE EXCELLENCE. WORK HARD. ACHIEVE YOUR BEST.

COURSE DESCRIPTION:

Probability and Statistics with Applications is a course in the basics of statistical methods that will prepare students to work with large amounts of data. Upon completion of the course students will be able to use mathematical models, design statistical experiments, organize and interpret data, and use data to predict and communicate the meaning of specific data. The broad objectives of this course are: **Learning the language and core concepts of probability theory, understanding basic principles of statistical inference, knowing how to quantify the linear relationship between two variables, and make predictions from one to another, becoming an informed consumer of statistical information, and preparing for further coursework or on-the-job study.**

CLASSROOM EXPECTATIONS:

- **Always bring your textbook/workbook to class.**
- Phones must be silenced and put away in your book bags during class. **NO TEXTING.**
- Contribute respectfully to the work happening in the room. Encourage others.
- Pay attention in class. Take notes as needed and concentrate during lectures and explanations.
- Do not talk or cause any disruption that detracts others from learning.
- Laptops to be use during lab time and depending on assignments.
- Use class time wisely. Stay on task, whether in group work or individual work.
- Be responsible for your own learning. You will have homework each night. Always ask questions and get help on material you do not understand.
- Please make sure you always stay with the schedule. It is really difficult to catch up once you are behind.
- **PUT FORTH SOLID EFFORT AND BE PROUD OF YOUR WORK AS IT IS AN EXTENSION OF YOURSELF.**

ATTENDANCE:

Mathematics is a comprehensive subject in which daily participation is a requirement. Every student is expected to attend and participate in all class discussions. The District will automatically assign NC (no credit) to any student who accumulates ten (10) or more unexcused absences during the year. Please follow these guidelines:

- Students who are absent are responsible to get notes from another student.
- Homework may only be made up for credit if a student has an excused absence.
- A student may make up a test or quiz (for excused absences only)

COURSE MATERIALS:

The following materials must be brought to school **every day**.

Supplies:

- College ruled paper.
- Graph paper
- Scientific Calculator.
- Pencils, erasers, rulers (straight edge), and highlighter.

Textbook:

Elementary Statistics: Picturing the World

Online textbook

TUTORING:

If you have ANY problems understanding the material covered in class, please see me immediately to arrange for extra help after school.

ASSIGNMENTS:

- Students will be expected to check and record the correct assignment daily (posted on my website and on the classroom Assignment Board) and begin working on it as directed in class. Any unfinished portion will be considered homework.
- Assignments will be checked daily. All work assigned must be attempted to get full credit for the day. All work necessary to get the answer must be shown, neatly, step by step, in pencil. Appropriate diagrams must be drawn. Please do NOT tell me that “you did it on another paper”!!!
- If you are absent, please get the assignment via my website. The assignment MUST be done for the next class. For example, if you miss a Monday class, you must have the assignment ready BEFORE we meet on Wednesday. Late Assignments will NOT be accepted.
- Students will be given assignments relevant to the topics covered in class; therefore, there should not be difficulties in completing them. However, I am available after school (prior appointment) for additional intervention. Furthermore, there is significant help online for completing assignments. Watch the tutorial videos on Khan Academy or “Google” any topic, to find numerous web sites to assist you (including your textbook).

PUT FORTH SOLID EFFORT AND BE PROUD OF YOUR WORK AS IT IS AN EXTENSION OF YOURSELF.

GRADING POLICY:

| Grade Breakdown | | |
|-------------------------------|-------------|-------------|
| Chapter Tests: | | 3 grades |
| Tests /Projects/Extra Credit. | | 2 grades |
| Quizzes and Composition Book | | 1 grade |
| Home work (5 Assignments) | | 1 grade |
| MDCPS Grading Scale: | | |
| A 90 – 100 % | B 80 – 89 % | C 70 – 79 % |
| D 60 – 69 % | | F 0 – 59 % |

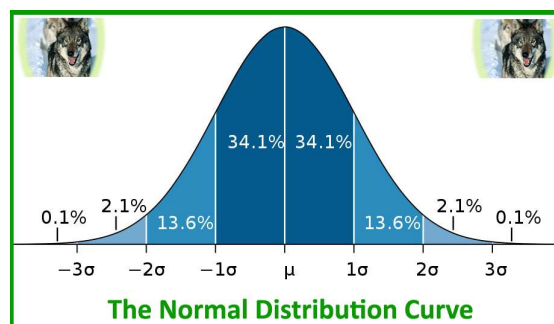
Students and parents should monitor grades online frequently.

EXTRA CREDIT:

Extra credit can be earned as follows:

- Extra credit problems will be available on selected tests and quizzes. Extra credit points will be added to the test score. There is no penalty for answering extra credit problems incorrectly.
- Outstanding projects.

Students and parent/guardian cooperation is needed to make this a successful and enjoyable year. If you have any questions or comments, please contact me at: manglin@dadeschools.net I look forward to working with all of you!



Probability and Statistics

Students,

Please print and return this page to me completely filled out with the requested information and signatures. Thank you.

Name of Student (Print): _____ Period: _____

I have read the Probability and Statistics Syllabus and understand I must follow these procedures every day.

Student's Signature: _____ Date _____

Parent/Guardian's Name (Print) _____

Parent/Guardian's Signature _____ Date _____

Contact Information:

Student's Full Name: _____

Home Phone Number: _____ Email: _____

Mother's Full Name: _____

Home Phone Number: _____ Work Phone Number: _____

Email: _____

Father's Full Name: _____

Home Phone Number: _____ Work Phone Number: _____

Email: _____