



## **Statistics - H**

Ms. Roberts B-1

### **Learning Goals:**

**Narrative Course Description:** The course will focus on the Maryland Standards for Mathematical Practice.

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

### **Key Content and Skills**

The nature of probability and statistics; frequency distributions and graphs; data description; probability and counting rules; discrete probability distributions; the normal distribution; confidence intervals and sample; hypothesis testing; the difference between two means, proportions and variances; correlation and regression; other chi square tests; analysis of variance; non parametric statistics; sampling and simulation.

### **Grading:**

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|--------------------------------------|---------------------|
| (1) Class work, Homework and Project | 40% of total grade. |
| (2) Quizzes and Tests                | 60% of total grade. |

### **Makeup Assignments:**

It is the student's responsibility to obtain make-up assignments when absent. These assignments will be located in the folders in the classroom when you return from an absence.

### **Help Beyond the Classroom:**

Students are encouraged to stay after school if they should require assistance beyond the classroom. **Please schedule these requests one day prior to the day of tutoring.**

I can also be reached by e-mail: [robertsr@dcpsmd.org](mailto:robertsr@dcpsmd.org) or through the school by phone 410-943-4511.

## **Calculator Fee:**

Students enrolled in a math class at NDHS this year will be charged a \$5 fee for the use of a graphing calculator. This money is to go towards the expense of batteries and replacement calculators. (If a student is enrolled in more than one math class, they will only pay the fee once. If a student has his own graphing calculator there will be no charge).

## **Classroom Rules and Procedures:**

- (1) Arrive to class on time. Upon arrival, students are to take their seats, and follow instructions for the warm up. Students arriving after the late bell will be counted as tardy and consequences will progress as described in the student agenda.
- (2) Bring all needed materials to class. Materials will include:  

Loose leaf paper	Pencil	Folder
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- (3) To receive full credit for an assignment, students must show all work unless otherwise instructed.
- (4) Respect and be polite to all people. Constant talking or disrupting class will not be tolerated and disciplinary consequences will follow. Talking is not permitted during instruction and quiet voices are to be used during class or group work. **Please, do not interfere with the success of others.**
- (5) Students are required to sit in their assigned seats as given. Wandering around the classroom will not be permitted as it interferes with the learning process.
- (6) Deadlines: Students are responsible for turning in assignments in the time given. Late assignments as per county policy.
- (7) Food and candy are not permitted in the classroom. Chewing gum is allowed if it is not noisy.
- (8) Textbooks are your responsibility and need to be returned at the end of the year in the same condition as when the book was received.