

# Pre-Calculus – Trigonometry & College Algebra

**Instructor:** Miss Condie

**Phone:** 489-2870

**e-mail:** [marie.condie@nebo.edu](mailto:marie.condie@nebo.edu)

## Course Objectives:

This course focuses on deeper understanding of functions (quadratic, power, polynomial, rational, exponential, logarithmic, piece-wise, and trigonometric), their relationships, and their **graphs**. Students will investigate and explore mathematical concepts, develop problem solving strategies for complex situations, and analyze data distributions and bivariate data.

## Course Pre-Requisites:

Each student taking this course should have received a C or higher in each term of Algebra II. If you have not obtained these grades, you lack some of the prerequisite knowledge & skills needed to be successful in this college level course. You are highly encouraged to talk to your counselor and retake Algebra II so you will be adequately prepared for this demanding course next year. If you do not have these skills; you will struggle and have difficulties in this class

## Course Materials:

Each student will need a writing utensil, a differing correction utensil, a 3-ring binder & paper (spiral notebooks are discouraged), and a **Graphing** or Scientific Calculator. Only legitimate calculators may be used; this excludes use of any other device with calculator capability such as cell phones & ipods.

## Course Requirements:

### Work:

- Journal – A journal entry will be completed on a daily basis as assigned by the teacher. Half of the journal points will be an “On-Time Stamp” for each entry. Students will receive this stamp daily from the teacher if they are on time to class and on task (working on the journal) when class begins. Part of their grade is thus based on attendance, and absent students cannot receive the “On-Time Stamp” but they can make up the writing portion of the journal. Journals will be checked and scored regularly on test dates.
- Homework – Daily assignments will be worth 10 points each. To receive full credit, the assignment should contain class notes, work and completion of all problems, and clear corrections. Four of the ten points will be for class notes, one of the ten points will be for correcting, and five of the ten points will be for completely showing work. Always **SHOW WORK**. You are responsible to get the notes for any missed class. **Late work is worth ZERO points**. Absent work will become late work a week after the Chapter Test is taken. Each student will be given two late passes per term; if unused they are each worth 5 bonus points.
- Labs - These occur during class time and are worth 5 points each. They generally involve group work, other forms of participation, math manipulatives, and technology. They are difficult to make up.
- Projects – Each term, one project worth 100 points will be assigned. Sufficient time will be given for its completion. If turned in after the due date, a student can only expect to receive half credit.

### Exams:

- Quizzes – Daily quizzes will be worth 5 points each. Every student in attendance will be required to take the quiz. Quizzes are meant to be informative. Each quiz focuses on one main key concept from the previous class period, but also contains two other previous concepts. By looking at quiz scores students can know which concepts they still have not mastered. **They may take quizzes multiple times until the chapter test is taken.**
- Tests – Each term approximately three chapter tests will be given. Each test is worth 100 points. There are NO RETAKES. Due to test security reasons, all students absent on the day of the test will take a different test than those in class that day. A score of zero will become permanent for these students if they have not taken the test by a week following their return to class.
- Final – A comprehensive final will be given at the end of each term worth 100 points. The final will average with the other test scores, but can also replace the student’s lowest chapter test score. A student can always improve their grade by doing well on a final.

## Grading:

Your grade depends upon your work and performance. Only 40% of your grade is based on your work: assignments, labs, project, and journal. The other 60% is attributed to tests, quizzes and the final. The following grading scale will be used:

	A	93-100%	A-	90-92%
B+	B	83-86%	B-	80-82%
C+	C	73-76%	C-	70-72%
D+	D	60-64%	D-	55-59%

**WARNING: Extra credit work does not exist.** You will be graded on what you do and not what you can do “extra” to inflate your grade.

## Teacher Availability:

I have provided the school number and my email for you to contact me. Students are always welcome to come in for extra help before or after school. I arrive at 7:30 in the morning and will help students who come in after school for as long as my schedule allows.

**Website:** <http://webspace.nebo.edu/marie-condie>

This website is a helpful tool in providing students with needed information. There is a calendar providing due dates for projects, test dates, lab dates, and other important dates. The calendar also provides information about daily work in class. Project explanations & examples are also available. This website is also equipped with information for online tutorials, peer tutors and other useful websites. I recommend every student become acquainted with it. It is continually improving as I receive feedback from students and parents, if you have any suggestions please let me know.

# AP Statistics

Instructor: Miss Condie

Phone: 489-2870

e-mail: [marie.condie@nebo.edu](mailto:marie.condie@nebo.edu)

## Course Description:

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. Students use a TI-83 or TI-84 graphing calculator, statistical software, and web-based java applets and activities to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

## Course Objectives:

Students will obtain the skills, knowledge, and habits of the mind such that they can produce convincing oral and written statistical arguments which use appropriate terminology in a variety of applied settings; use appropriate technology in solving statistical problems; become critical consumers of published statistical results by heightening their awareness of ways in which statistics can be improperly used to mislead, confuse, or distort the truth; and finally develop essential techniques for producing data (surveys, experiments, observational studies, simulations), analyzing data (graphical and numerical), modeling data (probability, random variables, sampling distributions), and drawing conclusions from data (confidence intervals and significance tests).

## Course Requirements:

- Good penmanship
- Reading and Writing skills
- Graphing calculators required (TI-83 or TI-84 recommended)
- Pre-Calculus or AP Calculus passed with B average or better

## Course Expectation:

It is expected that all SHS AP students will take the AP Exam for their respective courses in May. Students taking the course for Concurrent Enrollment credit are encouraged to take the AP Exam but are not required to do so. Any others seeking an exemption from the exam must petition the teacher.

## Course Evaluation:

- Notebook: Each student will be expected to keep this notebook. It will be checked regularly on test days. As part of this notebook score, a journal entry will be completed on a daily basis as assigned by the teacher. Half of the journal points will be an "On-Time Stamp" for each entry. Students will receive this stamp daily from the teacher if they are on time to class and on task (working on the journal) when class begins.
- Assignments: Homework will be inspected regularly. For each assignment a ✓ will be awarded for satisfactory effort to complete all assigned questions according to directions provided in class. (Note: Do not leave questions blank. At the very least, write an explanation of what you understand about the problem and why you are stuck.) A ✓+ may be awarded for exceptional work, and a ✓- may be awarded for incomplete work or failure to follow prescribed format. Your assignment score will begin as 90/100. A ✓+ will increase the score by 2 and a ✓- will decrease it by 5. *Failure to submit an assignment deducts 10 points from your homework average.* You may pass on two assignments per term and not lose points for them. If you do not use this option by the end of the term, you will receive a 10-point increase, thus bringing your total to 100 if you did all the assignments. **Late work (work not turned in during class) is not accepted for credit.**
- Quizzes: Take home or online quizzes will be given regularly.
- Tests: Approximately 2-3 tests will be given per term and **ALL will be comprehensive.** They will be formatted similar to AP tests with multiple choice and free response portions. There are NO RETAKES. Corrections will be worth half credit. Practice AP exams & take home exams may occur throughout the year.
- Activities: These occur regularly and generally will involve data collection, group work, technology, or research.
- Investigations: Approximately 2-3 investigations per term will require a multi-page write-up and time out of class. The homework passes only apply to homework and cannot be used for these investigations. Late investigations will receive half credit.

## Course Grade:

Students' grades will be based on 20% Notebook & Activities, 60% Quizzes & Tests, and 20% Assignments & Investigations.

The following grading scale will be used:

	A	93-100%	A-	90-92%
B+	B	83-86%	B-	80-82%
C+	C	73-76%	C-	70-72%
D+	D	63-66%	D-	60-62%

## Technology:

Graphing calculators will be used and emphasized in this course as well as statistical software. These tools will often do much of the mathematics involved in statistics; however these tools cannot think for you. You must learn to use them effectively and efficiently to help you solve statistical problems. The numbers mean absolutely nothing without your interpretation of them.

## Teacher Availability:

I have provided several ways of contacting me on the front of this document. I am at school from 7:30 am to 3:00 pm. I am available before or after school daily to assist my students. If a student feels they will need more time than 30-45 minutes they should let me know so I may adjust my schedule if necessary.

## Website: <http://webspace.nebo.edu/marie-condie/>

This site is designed to be a tool for students and parents. Very useful information can be found on my website including: calendars with daily assignments, java applets, AP website, and other valuable web links are provided. I recommend students become acquainted with it and any recommendations for improvements would be appreciated.

# College Prep Mathematics

**Instructor:** Miss Condie

**Phone:** 489-2870

**e-mail:** [marie.condie@nebo.edu](mailto:marie.condie@nebo.edu)

## Course Objectives:

This course is a college math preparatory course designed to strengthen concepts learned in Algebra 2. Students will improve and maintain their understanding before attempting the faster-paced and rigorous course work in Pre-Calculus. This course focuses on deeper understanding of functions (quadratic, power, polynomial, rational, exponential, logarithmic, and trigonometric), their relationships, and their **graphs**.

## Course Pre-Requisites:

Each student taking this course should have received a C or higher in each term of Algebra II. If you have not obtained these grades, you lack some of the prerequisite knowledge & skills needed to be successful in this college level course. You are highly encouraged to talk to your counselor and retake Algebra II so you will be adequately prepared for this course next year. If you do not have these skills; you will struggle and have difficulties in this class

## Course Materials:

Each student will need a writing utensil, a distinguishable correction utensil, a 3-ring binder & paper (spiral notebooks are discouraged), and a **Graphing** or Scientific Calculator. Only legitimate calculators may be used; this excludes use of any other device with calculator capability such as cell phones & ipods.

## Course Requirements:

Work:

- Journal – A journal entry will be completed on a daily basis as assigned by the teacher. Half of the journal points will be an “On-Time Stamp” for each entry. Students will receive this stamp daily from the teacher if they are on time to class and on task (working on the journal) when class begins. Part of their grade is thus based on attendance, and absent students cannot receive the “On-Time Stamp” but they can make up the writing portion of the journal. Journals will be checked and scored regularly on test dates.
- Homework – Daily assignments will be worth 10 points each. To receive full credit, the assignment should contain class notes, work and completion of all problems, and clear corrections. Four of the ten points will be for class notes, one of the ten points will be for correcting, and five of the ten points will be for completely showing work. Always **SHOW WORK**. You are responsible to get the notes for any missed class. **Late work is worth ZERO points**. Absent work will become late work a week after the Chapter Test is taken. Each student will be given two late passes per term; if unused they are each worth 5 bonus points.
- Labs - These occur during class time and are worth 5 points each. They generally involve group work, other forms of participation, math manipulatives, and technology. They are difficult to make up.

Exams:

- Quizzes – Daily quizzes will be worth 5 points each. Every student in attendance will be required to take the quiz. Quizzes are meant to be informative. Each quiz focuses on one main key concept from the previous class period, but also contains two other previous concepts. By looking at quiz scores students can know which concepts they still have not mastered. **They may take quizzes multiple times until the chapter test is taken.**
- Tests – Each term approximately three chapter tests will be given. Each test is worth 100 points. There are **NO RETAKES**. Due to test security reasons, all students absent on the day of the test will take a different test than those in class that day. A score of zero will become permanent for these students if they have not taken the test by a week following their return to class.
- Final – A comprehensive final will be given at the end of each term worth 100 points. The final will average with the other test scores, but can also replace the student’s lowest chapter test score. A student can always improve their grade by doing well on a final.

## Grading:

Your grade depends upon your work and performance. Only 40% of your grade is based on your work: assignments, labs, project, and journal. The other 60% is attributed to tests, quizzes and the final. The following grading scale will be used:

	A	93-100%	A-	90-92%
B+	B	83-86%	B-	80-82%
C+	C	73-76%	C-	70-72%
D+	D	60-64%	D-	55-59%

**WARNING: Extra credit work does not exist.** You will be graded on what you do and not what you can do “extra” to inflate your grade.

## Teacher Availability:

I have provided the school number and my email for you to contact me. Students are always welcome to come in for extra help before or after school. I arrive at 7:30 in the morning and will help students who come in after school for as long as my schedule allows.

**Website:** <http://webspace.nebo.edu/marie-condie>

This website is a helpful tool in providing students with needed information. There is a calendar providing due dates for projects, test dates, lab dates, and other important dates. The calendar also provides information about daily work in class. Project explanations & examples are also available. This website is also equipped with information for online tutorials, peer tutors and other useful websites. I recommend every student become acquainted with it. It is continually improving as I receive feedback from students and parents, if you have any suggestions please let me know.