

INTEGRATED MATH III

Mr. Nathan Leu Room 206 635-4347 ext. 415 nleu@poynette.k12.wi.us

COURSE DESCRIPTION

INTEGRATED MATH III will be an exciting, thought-provoking class that will extend your knowledge of ALGEBRA, GEOMETRY, and PROBABILITY, as well as your PROBLEM-SOLVING skills.

One goal of this class is to RELATE MATHEMATICS TO YOUR LIFE. Throughout the semester, will be engaged in a variety of ACTIVITIES, INVESTIGATIONS, PROJECTS, ASSIGNMENTS, and PROBLEM-SOLVING situations which will help you to see how math is all around you and how math can help to model parts of life. A second goal of this class is to incorporate TECHNOLOGY in learning about mathematics. Therefore, we will be using COMPUTERS and GRAPHING CALCULATORS very frequently to simulate situations and solve problems. (A graphing calculator is not required. You will be able to use those available in the classroom during class (see page 5).)

CLASSROOM RULES

- ⊕ **BE RESPECTFUL!** If someone is talking you should be listening.
- ⊕ **NO** name calling!
- ⊕ **NO** use of any vulgarity or inappropriate language that would offend me.
HINT: (If you need to ask if it is inappropriate or vulgar it most likely means it shouldn't be said!)
- ⊕ If it is not yours don't touch it without **asking for and getting** permission to.
- ⊕ **NO WHINING!**
- ⊕ **NO FOOD!**
- ⊕ **NO** cell phones or MP3 players, if I see you with them I will take them.
- ⊕ Keep an open mind and be ready to learn!

SUPPLIES

- ⊕ Textbook, covered (CORE-Plus, Course 1A or 1B)
- ⊕ 3-ring binder or folder with the following sections:
(1) Investigations, (2) Homework, (3) Notes/warm-ups, (4) Quizzes/tests
- ⊕ 2 Notebooks: (1) For notes and warm-ups (2) For homework and investigations
- ⊕ Pencils and erasers
- ⊕ Colored pen or pencil (not red)
- ⊕ Ruler
- ⊕ Scissors
- ⊕ Glue stick
- ⊕ Scientific calculator

GRADES

- ⊕ Scores will be weighted as follows:

Quizzes & Tests	35%
Homework	30%
Participation/warm-ups	25%
Projects	10%

- ⊕ Letter grades will be as follows:

94 – 100%	A	74 – 76%	C
90 – 93%	A-	70 – 73%	C-
87 – 89%	B+	67 – 69%	D+
84 – 86%	B	64 – 66%	D
80 – 83%	B-	60 – 63%	D-
77 – 79%	C+	Below 60%	F

QUIZZES AND TESTS

Purpose: To assess your ability to apply the mathematical concepts discussed in class.

- ⊕ All tests will be announced usually a week in advance. You will generally have a test following each unit.
- ⊕ Quizzes may or may not be announced.

HOMEWORK

Purpose: To practice and apply the concepts explored in class to real-life problems and to practice mathematical steps for solving particular types of problems.

- ⊕ Expect to have homework every single day.
- ⊕ Homework will be scored on a 5-3-0 scale.
 - ⊕ 5 = ALL problems attempted with ALL work shown.
 - ⊕ 3 = More than 50% of the problems attempted with ALL work shown.
 - ⊕ 0 = Less than 50% of the problems attempted OR
NO WORK shown (regardless of the number of problems attempted) OR
Solutions are copied from another source.
- ⊕ Each homework assignment must also meet the following criteria to receive full credit.
 1. Each assignment should be on its own piece of loose-leaf paper.
 2. All writing should be done in pencil.
 3. The top right-hand corner should include your name and the block.
 4. The top line of the paper should include the page number(s) and problem numbers.
 5. Each problem should be clearly numbered and separated from other problems with ALL WORK shown.
 6. The answer should be circled, boxed, or highlighted.
 7. The answer should include units if necessary.
 8. When asked to EXPLAIN or DESCRIBE, you should do so by writing complete sentences. When asked to COMPARE (and contrast), you should do so by writing complete sentences or making lists.
 9. The assignment should be NEAT and READABLE.

Late Homework:

- ⊕ Every Tuesday you will receive an up to date notice of grades and missing assignments.
- ⊕ ALL late assignments are due on the Friday of the week it was due for partial credit.
- ⊕ NO assignments will be accepted after Friday. NO EXCEPTIONS!

PARTICIPATION

Purpose: To effectively and productively work in groups and individually during class as well as be responsible for your own learning.

- ⊕ Your participation grade is comprised of 3 pieces, each equally important:
(1) Investigations, (2) Binder, and (3) Warm-ups

Investigations:

- ⊕ Investigations are the in-class part of your learning in this class. They will be completed in class with your group, but handed in individually at the end of the investigation.
 - ⊕ Completion:
 - 5 = ALL of the problems (including parts and questions within questions) are attempted with ALL work shown.
 - 3 = More than 50% of the problems attempted with ALL work shown.
 - 0 = Less than 50% of the problems attempted OR NO WORK shown (regardless of the number of problems attempted).

Group Participation:

- ⊕ Each week you will grade 1 or 2 of your group members on their contributions and participation in the group's activities. These reviews will be 50% of your group participation score.
- ⊕ Each week I will give your group a participation score worth 50% of your group participation score based on your groups ability to collaborate effectively.

Warm-ups:

- ⊕ Most days at the beginning of class you will be given warm-ups. Sometimes the warm-ups will be individual other times in a group I will instruct which one.
- ⊕ At the end of each week I will collect the warm-ups.
- ⊕ Completion:
 - 10 = ALL of the problems (including parts and questions within questions) are attempted with ALL work shown.
 - 6 = More than 50% of the problems attempted with ALL work shown.
 - 0 = Less than 50% of the problems attempted OR NO WORK shown (regardless of the number of problems attempted).

PROJECTS

Purpose: To allow you to apply your mathematical knowledge, creativity, communication skills, and group skills to mathematical problems and connect math to other subject areas and real-life situations.

- ⊕ There will be individual and group projects that will be completed throughout the semester. These will be announced as we get to them.
- ⊕ For each day a project is turned in late, 10% will be deducted from the grade.

NOTES

Purpose: To summarize information and record it for future reference.

- ⊕ Notes will be given on a frequent basis. These should not be the only notes taken. You should record your own notes – things to remember, tips, shortcuts, etc. that you can use.
- ⊕ Each section of notes recorded should include the following with it: the date, the unit, and the lesson.

BINDER CHECKS

Purpose: To help you in keeping your binder organized and complete so that you may use it as an effective study tool and reference.

- ⊕ You will turn in your binder at the end of each unit so that it may be checked for organization and completeness.
- ⊕ Each binder check will be worth 25 points based on binder requirements, organization, order, completeness, and assignment and notes requirements.
- ⊕ The binder check will contribute to your Homework average for the term.

ATTENDANCE AND MAKE-UP WORK

- ⊕ You are responsible for obtaining any work missed during an absence. You must get the notes and the assignment from a classmate or the assignment board, and any handouts from me. You will have *until the end of the week* to complete your absent work. If you have any questions, you must get in touch with me to arrange a time to discuss them.
- ⊕ When turning in absent work, please write “ABSENT” on the top of the page.
- ⊕ If you are absent only the day before a quiz or test, you will take it on its scheduled day. If you are absent the day of a test, you will be required to take it on the day you come back to school. If you are absent on the day of a quiz, you need to arrange a make-up time with me the day you come back to school.
- ⊕ If your absence is unexcused, no credit will be given for assignments, quizzes, or tests completed that day.

GRAPHING CALCULATORS

- ⊕ We will use graphing calculators throughout the semester. You do not need to own your own. If you do, that's great – bring it and use it! If you don't you will need to check one out from me to use during the class period for the semester. If you are looking to buy one (one is required for Pre-Calculus) we suggest a TI-83 Plus, TI-84 Plus, or TI-86.
- ⊕ Prior to using a graphing calculator for the first time, you will need to read and sign a Graphing Calculator User Agreement.
- ⊕ Due to other classes and students needing to use the graphing calculators, they are not available to be taken from the classroom.

EXTRA HELP

I will be available during study period (ask for a pass before study period) as well as before and after school on most days. You may also call me at school (635-4347 ext. 415) or send me an email (nleu@poynette.k12.wi.us) if you need help. I am here to help you be successful! Please don't hesitate to ask questions.

BE SUCCESSFUL IN INTEGRATED MATH III

- ⊕ Be on time and ready to start class.
(Ready = assignment out, book open, pencil in hand)
- ⊕ Pay attention in class.
- ⊕ Take notes.
- ⊕ Actively participate in class and group activities.
- ⊕ Use your time wisely to work on assignments.
- ⊕ Ask questions when you don't understand something!
- ⊕ Study!
- ⊕ Show ALL of your work.
- ⊕ Work hard!
- ⊕ Seek extra help if necessary.

I have read and understood the expectations of INTEGRATED MATH III.
(Please sign and return by September 8, 2009.)

Student Signature _____

Date _____

Parent Signature _____

Date _____