**Ms. Shashi Rai S*oldan International Studies High School***

Room: 103 Syllabus

# Email: shashi.rai@slps.org Precalculus

# Phone: 314-367-9222 (UMSL College Algebra MATH1045)

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**Course Description:** This course covers topics including factoring, simplifying rational functions, functions and their graphs, solving linear and nonlinear equations, polynomial functions, inverse functions, the binomial theorem, logarithms, exponentials, solutions to systems of equations using matrices, solutions to nonlinear systems of equations, and sequences. Students will also study trigonometric and inverse trigonometric functions with emphasis on trigonometric identities and equations. This course is intended for students planning to take MATH 1800.

**UMSL Dual College Credit Option:** This course is available to students who meet the criteria for dual credit at the University of Missouri, St. Louis. When you successfully complete this course with a “C” or above, you will have earned five college credit hours if you have enrolled with the University of Missouri St. Louis. You can enroll for the course online at [www.umsl.edu/acp](http://www.umsl.edu/acp).

The deadline to register for the dual credit is Monday, September 15.

**Please note that SLPS will pay for the dual credit only if you get an ‘A’ or ‘B’ in the course.**

**Final Grade for UMSL credit will be determined by averaging BOTH semester grades.**

**Prerequisites:** Algebra 150; Geometry 250; Advanced Algebra 350

**Resources:** **Textbook:** Prec*alculus: Graphical, Numerical, Algebraic 11e* by Demana, Waits, Foley, Kennedy, Bock

Also, supplementary material from online resources like <https://www.khanacademy.com> and <https://kahoot.com> will be used throughout the course.

**Materials:** Pencil, Spiral Notebook, laptop, charger, internet connection.

**Grading Policy:** Grades will be determined by a *cumulative total* of the points scored during the semester. The following components and designated weight assigned to each will determine a student’s grade.

Do Now/Exit Ticket **10%**

Classwork **40%**

Homework **10%**

Assessments **40%**

**Final exam is mandatory at the end of each semester.**

**Grading Scale:** The following ranges of letter grades will be assigned:

90 – 100% A; 80 – 89% B; 70 – 79% C; 60 – 69% D; Below 60% F

**Classroom Participation** is crucial to success in this class.

**Do Now**: ‘Do Now’s are short, 5-10 minutes exercises that will be given at the beginning of each class. Each do now is worth 5 points. If you are late or absent, you will miss the “Do Now” points.

**Exit Slip:** ‘ExitSlip’ are short, 5-10 minutes exercises that will be given at the end of class. If you are absent, you will miss the “ExitSlip” points. I may use your Exit Slip as a quiz grade, and there will be no retake allowed on it.

**Classwork**: Classwork will be the assignments that I give you in class to practice a skill. These will be usually due by **the end of class** and will be graded on ***completion***. In order to receive full credit, you must show ALL your work for every problem. Assignments with **no work shown** will receive a **zero**.

**Homework**: Expect to have homework after every class, usually due the following class period.

**Extra Credit**: There will not be any extra credit assignment to replace the missed assignments.

**If Absent: It is the student's responsibility to determine the assignments missed due to an absence.**

Check our class Teams page for handouts, assignments, and links to work you may have missed.

You will be given one day per excused absence to complete and turn in your missing work without penalty (for example, if you miss one class, you have one day after you return; if you miss 3 classes, you have 3 days after you return to turn in your assignments).

**Late Work: Late work will be accepted for 80% of your earned score (20% penalty).**

Please note, late work is never accepted after each unit test and in the final week of a grading period.

**Tutoring:** Extra help is available after school. If you are having trouble and need extra help, please let me know!

# Notebook: Your spiral notebook will be where you will maintain all notes from class. You need your notebook in every class. All assignments must be labeled, and your work should be legible.

**Tests & Quizzes**: Just completing your work will not be enough to pass this class with a good grade. You must do well in your tests and quizzes as well. If you are unable to pass a quiz or tests, you may retake it, but this must be done outside of normal class time.

Sometimes I may use your Exit Slip as a quiz grade, but there will be no retake allowed on it.

**Cheating:** In this class, **cheating includes...**

1**.** turning in another’s **work** as one’s own,

2. **copying** work in class, before class, or while in another class.

What happens when you cheat . . .?

* **The first time**
  + Assume there is some type of misunderstanding, a conversation with the student happens. The student will be allowed to redo the assignment with the understanding that this will not happen again.
* **The second time**
  + If this happens again, you will get a zero for the assignment, and will need to complete the alternative assignment for the work. Also, your parents will be notified via e-mail or a phone call.

**Classroom behavior**: It is impossible to learn in a hectic classroom environment. Therefore, poor classroom behavior will not be tolerated. Disrupting teaching and learning in any way will result in consequences. This means you must follow all school **and** classroom rules. The consequence ladder will go as follows:

1. Verbal warning
2. Seat change
3. Conference with Ms. Rai in the hall
4. Phone call home & Referral

On the other hand, making good choices in class will give you many benefits including:

1. Mastering material and good grades
2. Positive phone call home

# Classroom Expectations:

# Be Prompt - Come to class on time. Students are expected to be in their assigned seat and working on the “Do Now” when the final class bell rings.

* Be Prepared **-** Bring all necessary materials - pencil, notebook, laptop to class daily, ready to learn.
* Be Polite - Respect teacher, classmates, others property.
* No eating and drinking beverage in the class.

**Technology Use:** Your laptop is required every day. The goal is to use your devices to support your learning. During class try to limit your distractions and use your devices for the teacher assigned use.

Students will check their email and Teams frequently for important information from the teacher and will respond to the teacher’s emails when needed.