Southside High School

Pre-Calculus Honors & CP

Syllabus 2025 - 2026

Instructor Name(s): Denise Chavis
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Instructor(s)' Schedule:

Class Period	Time	1st Semester	2nd Semester
1st Block	8:45-10:18	Planning	Planning
2nd Block	10:24-12:00	Pre-Calculus CP	Pre-Calculus Honors
3rd Block	12:06-2:07 (Lunch included)	Pre-Calculus Honors	Pre-Calculus CP
4th Block	2:13-3:45	Math SL 1 and 2(A/B) and HL2	Math SL 1 and 2(A/B) and HL2

Course Description

The Pre-Calculus Honors course covers characteristics and behaviors of functions, operations on functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and conic sections. This honors course may include polar, parametric, and introductory calculus topics.

Learning Objectives

- Understand and analyze different types of functions.
- Solve polynomial, rational, exponential, and logarithmic equations.
- Apply trigonometric identities and solve triangle problems.
- Explore conic sections and their applications.
- Develop problem-solving and analytical skills through various mathematical concepts.

Required Materials

- 3-ring binder (1.5 inch recommended, one for each semester)
- Small notebook for formulas
- Notebook paper
- Pencils/Pens
- Graphing Calculator (TI-84 Plus or Numworks strongly recommended)

Grading Policy

- **Major Assessments (60%)**: Tests, projects, presentations, and written papers.
- **Minor Assessments (40%)**: Quizzes (announced/unannounced), free response assignments, and other graded tasks.
- Late work will be accepted within specified timeframes, with penalties applied.

Classroom Policies and Expectations

- Respect the rights of students to learn and my right to teach.
- Arrive to class on time and be prepared with necessary materials.
- Follow all rules outlined in the student handbook.
- Academic dishonesty will not be tolerated.

Course Schedule (August 11 – December 19, 2025)

1. **Functions** – 11 days (Aug 11 – Aug 25)
2. **Rational Functions** – 10 days (Aug 26 – Sep 9)
3. **Radical Functions** – 7 days (Sep 10 – Sep 18)
4. **Logarithmic & Exponential Functions** – 9 days (Sep 19 – Oct 1)
5. **Matrices & Systems of Equations** – 7 days (Oct 2 – Oct 14)
6. **Unit Circle** – 6 days (Oct 15 – Oct 23)
7. **Graphing Trig Functions** – 6 days (Oct 24 – Oct 31)
8. **Trig Identities** – 5 days (Nov 3 – Nov 7)
9. **Triangles** – 6 days (Nov 10 – Nov 17)
10. **Conic Sections** – 5 days (Nov 18 – Nov 25)
11. **Polars, Complex Numbers, and Vectors** – 7 days (Dec 1 – Dec 9)
12. **Final Exam Review** – 5 days (Dec 10 – Dec 17)
13. **Final Exams** – 2 days (Dec 18 – Dec 19)

Important Notes

- Tests are scheduled at the end of each unit and may not always fall on Fridays.
- Honors is taught with more depth in the topics covered.
- Regular attendance is critical; absences may impact credit.
- Make-up work policies are in accordance with school guidelines.

	Minor Grades	Major Grades	Test	Mastery/Corrections
CP & Honors	Accepted until the major/ summative assessment at the end of the unit, and are subject to a penalty of 10 points.*For example, a late minor would be a 90 in the gradebook if a student earned 100 on it and turned it in by the end of the unit.* *After the end of the unit, grade is a 0 and assignment becomes part of a mastery opportunity determined by the PLC.*	Accepted within 5 school days of the due date, and subject to a 10 points deduction if not missed for an excused absence. *For example, a late major would be a 70 in the gradebook if a student eaned an 80 on it and turned it in within 5 days. After the 5 days, grade is a 0 and assignment becomes part of a mastery opportunity determined by the PLC.*	Made up for full credit with an excused absence within 5 days. *After 5 days, accepted for half points until the end of a quarter. Corrections accepted for half points until the end of a quarter.*	Accepted until the end of the quarter