

## Southside High School

### Syllabus for IB Math Methods

Grade Level(s): 12

**Instructor:** Mr. Ken Nolen

**Unit Credit:** 1

**Fee:** none

#### Teacher's Daily Schedule

- |                   |               |
|-------------------|---------------|
| 1 Planning        | 5 BC Calculus |
| 2 AB Calculus     | 6 Math Tech 2 |
| 3 IB Math Methods | 7 Planning    |
| 4 IB Higher Level |               |

**Course Description:** This course reviews all the required subjects that must be mastered by those that choose mathematics to be one of their standard level areas in the IB program.

**Course Content Standards / Objectives:** Students must master the following topics: Algebra, equations, sequences and series, binomial theorem, trigonometry, complex numbers, functions, differentiation, integration, differential equations, matrices, vectors, probability and statistics.

**Units of Instruction Aligned with Standards: Presented in Sequence and Time Line:** See attached page.

**Instructional Materials and Resources / Required Texts:** Mathematics HL & SL with HL Options, Mathematics: Math Methods, and previous IB Math Methods tests.

**Major Assessment/Calculation of Grades: Evaluation of Student Progress:** 90% of the grade is from tests, and 10% from class presentations.

**Student Records:** Student records (attendance, tardies and grades are kept in my grade book. All quizzes, tests and portfolios are kept in my room. Parents are welcome to make an appointment to see their child's work.

**Homework Policy:** Every homework assignment will be checked for completion. Points are deducted for failure to complete each assignment unless a note from a parent gives a valid reason for his failure to complete it.

**Missed Work Policy/Make-up Policy:** A student has 3 days to make up work missed due to an excused absence. The student needs to make arrangements with me as soon as possible after returning to school.

**Attendance and Tardy Policy:** A student is allowed to miss only 10 days from this class. All absences above 10 must have a medical excuse of administratively approved. The third time that a student is tardy to class per semester will result in ISS. Each additional tardy results in suspension.

**Rules for Student Behavior:** Southside has 5 basic student rules which are posted in my classroom. They are also in the student handbook. I also insist that we treat each other with respect.

**Consequences for Violating Class and School Rules/Policies:** For minor violations a verbal warning is given. If problems persist, a call home will be made. Severe interruptions will result in a referral being issued.

**Procedures for Non-Instructional Routines:** Attendance will be taken at the beginning of each period from my seating chart. Passes will only be issued during class work time except in extreme emergency. Homework will be checked daily for completion. Quizzes and tests will turned in as they are completed.

**Presentation of Rules and Procedures:** Rules, procedures and consequences are discussed with the students during the first week of school.

**Communication with Parents:** Every student will receive a progress report at the midpoint of each grading period. Parents will be called after the third occurrence of not doing homework each grading period. Parents will be called for any offense for which the student is issued a referral.