IB Math HL 2 Course Expectations 2017 – 2018 Mrs. Marisa Reinsch

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Course Objectives This is the third year of the three-year IB Math Higher Level Curriculum. Course topics include formal theorems of Calculus, differential equations, convergence of infinite series, Taylor polynomials, Maclaurin series, and evaluation of indeterminate forms as well as review of IB Math 1/Pre-Calculus and IB Math HL 1/Calculus. The course will also include the IB internal assessment exploration. Students who complete the three-year course should be prepared to complete the IB Math HL assessments by May of 2018. (Note: only students in grade 12 may take any HL exam.)

Materials You will need an organizational system such as a three-ring binder, spiral or bound notebook, and/or folders for keeping notes, classwork, homework, quizzes, and tests organized and easily accessible. **A graphing calculator is required.** The recommended graphing calculator is the TI-Nspire with touchpad (not the CAS version). Bring your notebook, calculators, graph paper, pencils and erasers, and colored pencils or pens to class every day.

Grading Final grades are truncated, not rounded.

A	92 – 100	**B**	80 – 83.99	**C**	68 – 71.99	**D**	52 – 59.99
A-	88 – 91.99	**B-**	76 – 79.99	**C-**	64 – 67.99	**F**	0 – 51.99
B+	84 – 87.99	**C+**	72 – 75.99	**D+**	60 – 63.99		

Tests (60% of grade) A test will be given at the end of each unit. Tests will consist mostly of IB exam-style problems and may include straight concept problems and applications. It is very important that you study every day, making sure that you understand the concepts and IB-style questioning since some test problems may not have appeared in previous assignments.

Quizzes (15% of grade) Quizzes will be given frequently. Sometimes they will be given without warning.

Assignments (10% of grade) Assignments include homework and in-class assignments. Use pencil and graph paper as appropriate. Clearly show your work. The purpose of assignments is to practice concepts until you have them mastered. It is very important that you reflect on your own understanding of the concepts at the end of each assignment; check your answers using my website, and make corrections to all incorrect work. Assignments may be graded in a variety of ways:

> Homework quizzes may or may not be open-note. Students who wish to reclaim homework quiz points must meet the deadline and provide the original homework quiz along with the correct exam or quiz problems.
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> Completion and specific problem checks may or may not be announced. Unannounced checks may be made up for half credit up to the day of the unit test. Credit will only be given if appropriate work is shown.
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> Stamp sheets are provided once or twice a year and will contain details on how to earn credit.

Final Exam (15% of grade) A cumulative final exam will be given each semester. Students who take the IB Math HL exam in May, 2018, will **not** take the final exam in Semester 2.

Extra Credit is not available.

Attendance Please do what you can to be in class each day. Students with consistent absences, even if they are excused, can easily fall behind in this course. One day for every day absent is given for makeup work. My website is updated daily, and students are expected to check the website when absent and email me with any questions that the website does not answer. An unexcused absence will result in a grade of zero for all assignments, quizzes, and tests due or given in that class period.

Classroom Expectations Be respectful and on-task during class. A small snack or drink is acceptable, but eat your meals on your own time. All electronic distractions need to be put away, including cell phones, iPods, and calculator games. On the first offense, I will keep your electronic device until the end of the school day. On the second and subsequent offenses, I will turn in your electronic device to an administrator.

Our classroom is a community of learners helping each other to understand mathematical concepts through a variety of individual, partner, small group, and whole class activities. When working with your peers in class, you will be expected to help members of your group without doing the work for them. Alternatively, you are allowed to ask for help without letting anyone do the work for you.

Cheating/Plagiarism Policy Cheating/plagiarism includes, but is not limited to, using a calculator on a no calculator part of a test or quiz, using a calculator in a manner not consistent with test directions, copying someone else's work, putting your work in a position for another student to copy it, looking at another student's test or quiz, having access to materials or notes that are not explicitly allowed, sharing information about a quiz or test with someone who has not taken it, and listening to information about a quiz or test that you have not taken. You will receive a score of zero on any work that involves cheating or plagiarism.

Communication Please make sure that all email addresses and phone numbers for student and parents are correct on Family Access. I will use that information in the event I need to contact you. The fastest way to communicate with me is via email.

Extra Help I expect you to come prepared to ask questions each day in class. Plan to speak first with members of your team at appropriate times, and then let me know if you still have questions. I will be available most days after school. You can make an appointment to see me at other times. Please do not put off getting additional help if you feel behind; a few minutes are often all that is needed to clarify a concept.

College Credit may be earned via one of the following options. Some universities may grant only course placement—not actual credit. *It is up to you to do the appropriate research*; make a plan based on what your university accepts and what you can reasonably accomplish. All of these options include a fee.

International Baccalaureate is becoming more widely recognized by universities in the U.S. This course is designed to prepare your for the IB Math HL exam in May, 2018. Many universities give credit for an IB Math HL score of 6 or 7 (out of 7). Some may also accept a lower score.

Advanced Placement is very widely recognized in the U.S. With some additional study and exam practice, students who complete IB Math HL 2 could prepare to take the AP Calculus BC exam in May, 2018. Many universities give credit for a score of 4 or 5 (out of 5). Some may also accept a lower score OR a score for the AP Calculus AB exam (covers less material).

Tips for success in IB Math HL 2

Stay engaged with the class.

- Participate in team and whole class activities.
- Take notes on any information being presented by the teacher or a study guide.
- Discuss and question new material with your team.
- Get clarification from your teacher when your team does not know or does not agree.

Finish assigned work every day.

- Start the assignment as soon as possible so that you can get help quickly if you don't understand something.
- Try every problem. If you are not sure how to do the first problem, a later problem may jog your memory.
- Check your answers using the book or website so that you know whether you are doing the work correctly.
- Make corrections in order to practice skills the right way before needing them on a quiz or test.
- Ask questions the next day in class on problems that are still confusing.

Use all available resources.

- Visit the website daily for worksheets, answers, notes, and important dates like quizzes and tests.
- Work with your team and other friends or parents outside of class.
- Use other Internet resources responsibly. Wolfram Alpha can be a great tool, just don't abuse it!
- Time may be your most valuable resource. Get help as soon as you have a question. Whatever is your preferred source of assistance, do not wait until the day before the test.

Thank you for reading the IB Math HL 2 Course Expectations! To finish your assignment, complete the Welcome Survey (on my website) with a parent.