

## MHF 4UI: Advanced Functions

**Teacher:** Mr. W. Lowe  
**Email:** Wayne\_Lowe@wrdsb.ca  
**Room:** 2602  
**Textbook:** Advanced Functions, Nelson, 2009.  
(Replacement Cost **\$101**)

**Online Classroom:** <http://hhsslowe.pbworks.com/>  
(or link from the HHSS teacher page) (Save as favourite for the semester)

**HHSS Math Dept.:** <https://hrh.wrdsb.ca/academics/mathematics-department/>

**Google Classroom:** lbw3bn6

**Prerequisite:** MCR 3UI (Gr.11 Functions/University Preparation)  
or MCT 4CI (Gr.12 Mathematics for College Technology)



**Strands (A to D) & Essential Learnings** Welcome to Advanced Functions! This course is divided into these strands.  
Essential Learnings are created from these strands:

TERM 1	TERM 2
D. Characteristics of Functions	D. Characteristics of Functions
C. Polynomial and Rational Functions	B. Trigonometric Functions
	A. Exponential and Logarithmic Functions

**Assessment & Evaluation** Unit tests are the most weighted summative assessments.

TERM 1	TERM 2	FINAL MARK	
Student Products ( $\doteq$ 4 Tests, 1 Term Project), Teacher Observations, Teacher-Student Conversations	Student Products ( $\doteq$ 5 Tests), Teacher Observations, Teacher-Student Conversations	Characteristics of Functions	10%
		Polynomial & Rational Functions	30%
		Trigonometric Functions	20%
		Exponential and Logarithmic Functions	10%
		Final Summative Exam (2 h)	30%

Course credit is earned upon successful demonstration of essential learnings, which are derived from the Ministry of Education course strands and overall expectations. Final marks are calculated based on the teacher's assessment, evaluation and professional judgement as these relate to the body of evidence produced by the student. **A passing mark on the final exam and/or course culminating activities does not guarantee a passing mark for that course.** For this reason, it is of utmost importance that students complete and submit all work that is to be assessed and/or evaluated.

✂ \_\_\_\_\_

Student's Name: \_\_\_\_\_

Parent E-mail address: \_\_\_\_\_ [I use this to send parent info, including mark summaries/updates.]  
[PRINT neatly please]

Parent's Signature: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Cell/Work (if ok to call): \_\_\_\_\_  
(circle)

## **MSIP, Assigned Practice, & Extra Help** (please take advantage!)

**MSIP** is an integral component of this course. Students can expect that the teacher has designed this course to reflect the fact that course-specific student learning will take place during both class and MSIP time.

As such, students are required to:

- **Attend MSIP every day** to meet the essential learning requirements of the course.
- **Effectively use MSIP to complete course work.** Effective uses may include: completing assigned practice, working collaboratively, studying for tests or exams, working ahead on course projects or assigned readings, travelling to meet with teachers for extra help, or other activities as determined by the assigning teacher.

**YOU MUST DO ALL WORK ON A DAILY BASIS;** an “average” student must spend on average 1½ hours **per weekday** outside of class working on the course material. Your **MSIP** is a great opportunity for this.

Please do work using a **PENCIL**.

All homework questions should be attempted **DAILY**, and **FINAL ANSWERS SHOULD BE CHECKED IN THE BACK OF THE TEXTBOOK REGULARLY.**

☺ PLEASE DON'T FEEL EMBARRASSED TO ASK AND ANSWER QUESTIONS DURING THE **APPROPRIATE** TIMES DURING OR AFTER THE LESSON. ☺

I will provide extra help 2 days a week in Room 2602 during the **first half of Period 4 lunch** (11:10 am-11:40 am).

No appointment is necessary. There are also Math teachers providing extra help EACH day during the second half of BOTH of the lunch periods. If this is still not enough, consider a private tutor.

## **Missed Work**

It is expected that students complete all assigned work in a timely manner. Students who are absent on the day of an assessment (e.g. test or presentation) or when an assignment is due, must speak with their teacher when they return to make arrangements to complete the required work. Whenever possible, students will inform their teacher in advance of their absence.

Each assessment will have a final date of submission after which it will no longer be graded. This date will be clearly communicated to students by the teacher. Work that has not been submitted by the final due date will be deemed “incomplete” for the purposes of grade reporting. Failure to complete all required work will negatively impact a student’s final grade, and may prevent successful attainment of the credit.

In addition, students who do not submit work in a timely manner should expect to have this reflected in the Learning Skills and comments sections of the report card.

## **Materials**

**Every evening before a class, print the lesson off from: <http://hhsslowe.pbworks.com/>**

Be prepared **EACH CLASS** with the following:

✓ **Scientific calculator (it cannot be programmable, such as a graphing calculator or a smartphone).**

✓ Google Chromebook



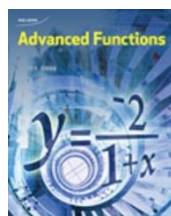
✓ Course textbook

✓ The lesson printed from the website (see above)

✓ Graph paper (\$2.00/pad if purchased from the Math Dept.)

✓ 3-ring binder and lined loose-leaf paper

✓ Pencil(s), eraser, ruler, coloured pen(s)



***DO NOT USE A PHONE OR ANY HANDHELD DEVICE, unless I have approved its use.***

Textbooks are the property of HHSS and are on loan to students.

You are responsible for maintaining the good condition of the textbook while it is signed out in your name.

The replacement cost of a lost or damaged textbook is approximately **\$101**.

**The student is responsible for the replacement cost of a lost or damaged text.**

## **Important Dates**

***Tuesday March 10<sup>th</sup>, 2020***

***Thursday March 12<sup>th</sup>, 2020***

***Thursday April 27<sup>st</sup>, 2020***

– Interim Report

– Parent/Teacher Interviews

– Midterm Report

## **Academic Integrity**

Please carefully read the following document:

**Huron Heights Secondary School**

# **Academic Integrity Policy**

Some students will knowingly or unknowingly commit academic offences. These offences are sometimes accidental but still have serious implications.

## **Academic Offences**

### **Excessive collaboration**

- » Discussing an assignment in significant detail with peers or splitting up work
- » Using a classmate's assignment as the basis or as a reference for your own or allowing someone else to do this with your assignment
- » Each assignment may have different requirements related to collaboration; be sure to confirm these expectations with your teacher

### **Plagiarism**

- » Copying code, ideas, images, direct quotations, etc. without proper citation
- » *citationmachine.net* is a citation generator that can help you avoid plagiarism – there is also one on Microsoft Word under the References tab
- » Self-plagiarism, re-submitting an assignment for another class, is an offence

### **Unauthorized use of previous term's assignments, tests, solutions**

- » It is unacceptable to have unauthorized access to this information or to accept it if it is offered to you
- » Even if it was not you who obtained it, this is still an offence

### **Use of another student's previous assignment, test, solution**

- » You may not work off of, or refer to in any way, a copy of an assignment a student submitted in a previous semester or year
- » Even though students may have finished a course, their submitted documents may be kept for reference

### **Theft of another student's intellectual property**

- » Looking at another individual's assignment, test or exam without their permission or submitting another individual's assignment as your own are very serious offences and under no circumstances is this excusable

*Adapted with permission from the "The Academic Integrity Fact Sheet for Students", University of Waterloo, Office of Academic Integrity, May 2018.*

If a student is suspected of committing an academic offence, the teacher will inform administration and will meet with the student to determine the nature and extent of the incident and the student's understanding of the situation and intent.

### **Students who commit an academic offence will face one or more of the following consequences:**

- Redoing part or all of the assessment under direct supervision, or completing an alternate assignment.
- Limited access to academic recognition, school awards and scholarships.
- Additional consequences related to the student's behavior, including community service hours, detentions and/or suspensions.

All consequences will be progressive in nature and take into consideration the number and frequency of incidents and the grade level, maturity and individual circumstances of the student.

In all cases, parents or guardians will be informed and a report of the incident will be kept on file.

Incidents of academic dishonesty will be communicated in the Learning Skills and Work Habits section of the report card.