MATH HELP CENTRE CALENDAR

(WINTER 2020)

Here is a list of facilities, programs and resources for the Math Help Centre (MHC) scheduled for the Winter 2020 semester. For a more comprehensive list, please visit the [Math Help Centre website](#).

FACILITIES / RESOURCES

MATH HELP CENTRE

The Math Help Centre is a free service offered by the Department of Mathematics for all first-year students to get help with mathematics. Located at 412 Machray Hall, the Help Centre is staffed by graduate students and sometimes high level undergrads with a passion for teaching. You can come to the help centre if you have specific questions you wish to ask one of our tutors, or you can just come and use it as a study space with help on hand should you get stuck. Either way, bring your notes and your brains and come get help with those problems you've been stuck on!

The Math Help Centre will be open from 9 am to 6 pm each weekday (except Holidays) from Jan 13 to Apr 20* 2020. Visit the [Math Help Centre website](#) to find more information about the Math Help Centre.

MATH HELP CENTRE WEBSITE

This is a website for the Math Help Centre. On this website, you will find information about the Math Help Centre schedule and staffing. You will also find information about the Math Help Centre Workshop Seminars that run throughout the semester, with information on how to sign up for them.

You will also be able to access instructional videos, review sheets and their solutions which will be posted on the webpage after each workshop seminar. There are many other resources and information available on the website. Please visit it frequently to sign up for programs and workshops that you may find useful. The address for the Math Help Centre Website is https://server.math.umanitoba.ca/~help/

MATH HELP CENTRE ONLINE

The MHC Online is a forum where registered math students can go and ask questions and have it answered by helpers. This greatly extends the services of the MHC beyond the walls of the Math Help Centre. Distance students and others who can not at any moment physically come to the MHC for aid can use this free service provided in order not to be left out. The Math Help Centre Online will be available within this semester, and an announcement will be made later about this.

INSTRUCTIONAL VIDEOS

These are short instructional and demonstration videos on various math topics posted weekly on the MHC website. Their primary goal is to give the students some information about the workshop. This includes teaching, demonstrations and solving problems. It is recommended that students follow up with the MHC workshop seminars to gain hands-on experience in solving problems relating to topics.

MHC ASSISTED STUDY GROUPS

These are study groups affiliated to the Math Help Centre. Interested students are matched with 4 to 7 other study mates to form a group. These study groups are created for each course, and each study group is supposed to meet for at least an hour each week. To each study group, a teaching assistant knowledgeable in that course will be

assigned. The teaching assistant for an hour each week will meet with the study group to assist, advise and clarify problems relating to course. Student's wishing to participate in these study groups for a course should sign up on the Math Help Centre Website.

EVENTS / PROGRAMS

MATH BOOTCAMP

This is a free Math BootCamp at the beginning of each semester for students enrolled in Math 1500, MATH 1510 or MATH 1520. This Bootcamp serves as a refresher on pre-calculus topics. It runs for 4 hours each day on a Friday and the following Saturday, making it an intense 8-hour Bootcamp to jumpstart each semester. Over those two days, pre-calculus topics necessary to success in the upcoming calculus courses will be reviewed, with questions taken directly from the old midterm and final exams. Seating is limited so early registration is advised. The Bootcamp is continuous, so interested students who register must attend both days.

Date:

Friday Jan 17, 4:30 pm - 8:30 pm

Saturday Jan 18, 10:00 am - 2:00 pm

Registration will take place at the mathematics general office, located at 420 Machray Hall. For further information contact Clifford.Allotey@umanitoba.ca

SATURDAY WORKSHOP SERIES

This is a general refresher workshop series on fundamentals to prepare all first-year math students for the upcoming semester. These run for three hours each day on three successive Saturdays. The contents of each day will be self-contained, so you don't have to be at all three and therefore are advised to register for those you will need. Please see the Saturday Workshop Series poster to determine which workshops will be idle for you, and also for information on how to register.

Date:

Saturday Jan 25, 12:15 pm - 3:15 pm (Day 1)

Saturday Feb 1, 12:15 pm - 3:15 pm (Day 2)

Saturday Feb 8, 12:15 pm - 3:15 pm (Day 3)

MHC WORKSHOP SEMINARS

These are free* workshop seminars organized throughout the Semester on selected topics students frequently have problems with. In these workshops, problems that aid understanding of the topic, and problems that are commonly found on the midterm and final examinations are tackled. Each workshop starts with a (roughly) 20-minute demonstration, with time in the middle for participants to attempt the problems and ask questions if/when they get stuck. The problems that caused students the most difficulty are then demonstrated for the last 20 minutes. Below is a list of scheduled workshop seminars for the semester, however, you can request for workshops on topics you have difficulty in from the MHC website.

DATE	EVENT	LOCATION
T.B.A	Trigonometic Review	T.B.A
T.B.A	Finding Domains	T.B.A

DATE	EVENT	LOCATION
T.B.A	Limits and Continuity	T.B.A
T.B.A	Logic	T.B.A
T.B.A	Washer and Shell Method	T.B.A
T.B.A	Derivatives	T.B.A
T.B.A	Related Rates	T.B.A
T.B.A	Rings	T.B.A
T.B.A	Graph Theory	T.B.A
T.B.A	Sketching Parametric and Polar Curves	T.B.A
T.B.A	Optimization	T.B.A
T.B.A	Lines and Planes	T.B.A
T.B.A	Curve Sketching	T.B.A
T.B.A	Antiderivatives and Integration	T.B.A

Please visit the Math Help Centre webpage to find more information about the MHC Workshop Seminars.