Basic Information

Summary of Useful Information About Math 121

Text: *Calculus (Single and Multivariable)* • *Fourth Edition* by Hughes-Hallett, Gleason, McCallum, et al.

Course Mark Distribution

Review WebCT Test	4%	(Full marks are given for completing
		the test before the end of Week 2)
Quizzes	18%	
Technical Mastery Tests	18%	(2 tests, 9% each)
December Examination	30%	
April Examination	30%	

MATH121@post.queensu.ca Use this e-mail address to contact the coordinator about administrative or personal concerns.

Your QLINK e-mail: We will assume that you check your QLINK account regularly. Important announcements (such as room and time changes) will be sent to your QLINK account. Individual communications may also be sent to your QLINK address even if you have initiated correspondence using another e-mail address

Math 121 Homepage: The URL is `http://www.mast.queensu.ca/~math121/`. Check **News & Updates** on the web site regularly for important announcements.

WebCT: Use the WebCT Bulletin Board to ask questions and make comments about course content. Instructors will use the Bulletin Board to make announcements. Marks will be posted on WebCT. To log on, use your QLINK id and password. If you have trouble logging on, please email math121@post.queensu.ca.

On-Line Proficiency Test

By the end of the first two weeks of class, you must complete an on-line proficiency test through WebCT. This test covers basic equation solving techniques, work with polynomials, fractions, and graphs.

The purpose of this test is to let *you* know whether your background is strong enough to get the full experience in MATH 121. We have found in the past that students who do poorly on this test have sharply limited success in MATH 121.

Your mark on this test is not included in your final grade. You receive the full 4% if you complete the test on time. However, we do record the grades for comparison with your performance in other tests.

Assignments and Quizzes

Details about the weekly assignments are found in Section III. Assignments are not handed in, but the material on the assignments is tested regularly by means of quizzes. Each student is scheduled to take five quizzes per term at a rate of (approximately) one quiz every second week. A schedule appears below.

Group I and II (for quizzes)

MATH 121 students will be divided into Groups I and II alphabetically for purposes of scheduling Quizzes. Students whose family names begin with **A-LI** will be in **Group I** while those whose names beginning with **LIM-Z** will be in **Group II**.

Schedule and Locations for Quizzes

Quizzes are given on Wednesday evenings from 5:30 - 6:00. Each quiz will consist of two questions that are similar to problems from the assignments corresponding to the weeks indicated in the schedule. Quizzes for Section C are given on Tuesday evenings from 5:30-6:00. These are the **only** times when quizzes are given. Students who know in advance that they will not be able to take a quiz at their scheduled time may ask to have the test rescheduled for the other day by e-mailing the coordinator at math121@post.queensu.ca.

Quiz Locations

TBA - Will be announced in class and on the course web site.

Missed Quizzes

There are no makeup quizzes. Each student is scheduled to take 10 quizzes during the academic year (September-April). The Homework quiz grade will be based on the best 7 quiz marks. Missed quizzes count as zeros. Students are advised to miss no more than three quizzes (and fewer than three if possible).
Schedule The schedule of quizzes and tests for the year is provided on the calendars on pages **??** and **??**. Please note that quizzes covering one week of material or three weeks of material will still have **only two questions**.
Quiz Marking

Each quiz is marked out of 1.5. The mark on the paper is for the paper as a whole. The possible marks and their meanings are:

Perfect	1.5
Perfect except for a minor error	1.4
Good but with a serious error	1.2
Good in some way	1.0
Poor	0.5
Inadequate	0.0

Mastery Tests

Skill with the mechanical parts of calculus is one of the things students have to master. 18% of the MATH 121 grade is based on two tests of technical skills. To study for these tests, you should practice the questions found in Section II of this package. Each test consists of six questions that are based on the lists provided in Section II.

Time and Locations for Mastery Tests

Mastery Tests are given from 5:30-6:20 near the end of each term. See the calendars on page **??** and **??** for the dates. Locations will be announced via the Math 121 Homepage.

Makeup and Rewrites for Mastery Tests

Students who miss a Mastery Test will have the opportunity to take it from 5:30-6:20 on the following dates

Mastery Test I	Thursday, December 1
Mastery Test II	Tuesday, April 10

Students who have written Mastery Test I and Mastery Test II at the original times will have the **option** of rewriting on the make-up dates if they think they can do better. **WARNING:** the mark obtained on a rewrite will replace the previous mark, even if it is lower than the original mark. Note that rewrite tests are scheduled at the end of term, and as a result it is unlikely that they can be marked before the December or April exam takes place.

Marking of Mastery Tests

Marking of Mastery Tests is stringent since the questions are very similar to the models and because **mastery** is the goal. The maximum mark on a mastery test is 12, each of the six questions being marked out of 2.0 as follows:

Perfect answer	2.0
Nearly perfect answer	1.5
Good answer with a serious error or omission	1.0
Something good about the answer	0.5
Very poor answer	0.0

December and April Examinations

These exams are three hours long and are scheduled by the Examinations Office. They will test conceptual aspects of MATH 121. The December exam covers the material taught in Weeks 1-11 and the April exam covers the material taught in Weeks 12-24. Material from the first term may be relevant for the April exam, but questions will be formulated from the point of view of the second part of the course.

Students who miss the December or April exam will have to provide proof of extenuating circumstances in order to be admitted to a makeup exam, which will be scheduled after the writing of the regular exam.

Marking of December and April Exam

These exams consist of a small number of questions that have many parts or else involve a number of steps. Each question is graded by a single marker who designs the marking scheme for that question. Most questions involve conceptual understanding and the ability to bring computational skills to bear as needed.

Getting Your Papers Back and Getting Your Questions About the Marking of Your Paper Answered

Papers will be returned in the Math Study Center in JEFF 201. A schedule of the return times will be announced. Before a quiz, test or exam (except for the final exam in April) is returned, solutions will be posted on the MATH 121 Homepage. When you get your paper back, you should go over your work and compare it with the posted solutions. If you have questions after you do this, write a note explaining your concern. Attach it to your paper and submit this at the Department of Mathematics and Statistics office (Room 310, Jeffery Hall) addresssed to "Coordinator, MATH 121". You will receive a reply.

NOTE: Final examinations are not returned. The Department of Mathematics and Statistics keeps them for one year.

Miscellaneous Rules about Tests

1. Bring your student ID to all quizzes, tests and examinations. You must show it if requested to do so.

2. Your name (in block letters) and your student number <u>must</u> be written in ink on quizzes and Mastery Tests.

3. In the case of Mastery Tests, both answer paper and question paper must be submitted at the end of the test.

4. Only approved calculators can be used during quizzes, tests and exams.

5. The only things you may bring with you to tests are writing implements and an approved calculator. <u>Formula sheets are not allowed</u>.

Getting Help

Math Study Center

JEFF 201 is the Math Help Center. It is staffed by graduate and undergraduate math students, and you may go there to get one-on-one help in any first-year math course. The staffing hours are posted outside the door.

Help Sessions

Help sessions specific to MATH 121 will offerred at a variety of times throughout the week. All locations and times will be announced via the Math 121 Homepage.

Instructor Office Hours

See the MATH 121 homepage for postings.

WebCT Bulletin Board

This is an electronic forum for "threaded discussion". Students can post questions about the course, and other students can supply elaborations of the questions or give answers. The discussions will be monitored regularly by instructors and/or TAs.

Calculator Policy

Casio FX-991 series calculators may be used on all MATH 121 quizzes, tests and exams. During the early part of first term, there will be a limited opportunity to obtain a GOLD Applied Science sticker for calculators that are equivalent to the *Casio FX-991*. Commerce students may also use calculators with BLUE stickers. Calculators with stickers may also be used in MATH 121 quizzes, tests and exams.

Quiz and Test Schedule - Winter 2007

A-LI - Group I, LIM-Z - Group II

January 2007

SUN	MON	TUE	WED	THU	FRI	SAT
31						
7	8 Classes Begin	9	10	11	12	13
14	15	16 Group I (Wks 11, 12, 13)	17	18	19	20
21	22	23 Group II (Wks 12, 13, 14)	24	25	26	27
28	29	30 Group I (Wks 14, 15)	31	1	2	3

February 2007

SUN	MON	TUE	WED	THU	FRI	SAT
28						
4	5	6 Group II (Wks 15, 16)	7	8	9	10
11	12	13 Group I (Wks 16 ,17)	14	15	16	17
18	19	20 Reading Week	21	22	23	24
25	26	27 Group II (Wks 17, 18)	28	1	2	3

March 2007

SUN	MON	TUE	WED	THU	FRI	SAT
25	26	27	28	1	2	3
4	5	6 Mastery Test II Everyone	7	8	9	10
11	12	13 Group I (Wks 18, 19)	14	15	16	17
18	19	20 Group II (Wks 19, 20)	21	22	23	24
25	26	27 Group I (Wks 20, 21)	28	29	30	31

April 2007

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4 Group II (Wk 21)	5	6 Easter Holiday	7
8	9	10 Mastery Test II Rewrite	11	12 Exam Period Begins	13	14
15	16	17 Note: exam dates are tentative. Check the Registrar's web site during the term for up-to-date exam information	18	19	20	21
22	23	24	25	26	27	28 Exam Period Ends
29	30	1	2	3	4	5