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| **From:** | Christensen, Lars W |
| **Sent:** | Tuesday, May 5, 2020 16:55 |
| **To:** | Christensen, Lars W |
| **Subject:** | Math 3360 office hours and final exam. |

Hi,

The topics of this email are:

1. OFFICE HOURS THIS WEEK AND NEXT WEEK
3. FINAL EXAM ON 5/12

1. Today I had office hours 3-5 pm as usual. However, I was logged in to the wrong room for the first 80 min. If you looked for me in vain, just shoot me an email and we will talk later this pm.
     On Friday 5/8 and Monday 5/11 I have office hours 3-5 pm on Blackboard as usual. If those times do not work for you, send me an email and we will set up an appointment for a different time.

2. You will get the final exam by email on Monday 5/11 at 4.30 pm, and you solutions are due at 4.30 pm on Tuesday 5/12. It is an open book exam, but not a group exam: You must solve the problems on your own and return with your solutions a statement to the effect that you have solved the problems alone using only allowed aids. Your solutions will not be graded if the statement is missing.
     Towards a verification that you have solved the problems yourself, I will meet with each of you on Blackboard for a few minutes during the time set aside for the final, that's 4.30-7 pm on Tuesday 5/12. Your assigned time will be communicated to you together with the exam on 5/11.
     Your exam is only complete when you have returned your solutions and statement and met with me.
     The exam covers sections 1.1-1.4, 2.1-2.5, 3.1-3.4, 4.1-4.4, 6.1-6.3, 7.1-7.3, and 8.1-8.3. Since the sections from chapters 1-4 (group theory) were already on the in-class exams, the final will have more emphasis on the sections from chapters 6-8 (rings and fields), but groups will still come up.

If you have any questions about the final exam or anything else, please don't hesitate to ask.

I have also been reminded to remind you to evaluate the class.

Best,
Lars
------------------------------------------------------------------
Lars Winther Christensen        E-mail:    lars.w.christensen@ttu.edu
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**From:** Christensen, Lars W
**Sent:** Tuesday, April 28, 2020 15:18
**To:** Christensen, Lars W
**Subject:** Math 3360-003 Gradebook updated

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Hi,

I have updated the Gradebook on Blackboard. It now reflects the results on homework
assignments 14 and 15 as well as any extra credit earned up to yesterday. Please double
check that I have entered your scores correctly and contact me if you see something off.

Towards your final score, only the 15 best of 18 homework assignments count, so the
homework you turn in tonight, on Friday and next Tuesday can only help improve your
score. Take advantage of that and the final extra credit opportunity.

Best,
Lars
----------------------------------------------------------------------
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| **From:** | Christensen, Lars W |
| **Sent:** | Friday, April 10, 2020 12:20 |
| **To:** | Christensen, Lars W |
| **Subject:** | Math 3360 extra credit opportunity |

Hi,

The topics of this email are:

1. NO CLASS on 4/13.
2. AN EXTRA CREDIT OPPORTUNITY
3. EXAM ON 4/15

1. Per the Academic Calendar there are no classes on Monday 4/13. As there is homework
due on Tuesday 4/14, I will still hold office hours on Monday 4-5 pm or by appointment.

2. I have a good time chatting with some of you during office hours these days, the
"some" being the usual suspects. I want to encourage everyone to become usual suspects,
hence the following extra credit opportunity. After every lecture I post which pages I
covered and I suggest a couple of self-assessment problems; see
http://www.math.ttu.edu/~lchriste/teaching.html . The idea is that you should try your
hand at these problems to verify if you got the main points from the lecture. There are
three full weeks left of the semester. In each of these three weeks you can earn 3% extra
credit by logging in for office hours and talking me through your solution to one of the
suggested problems from the past three lectures. Thus, next week you can choose from the
problems posted this week, as I won't lecture on Monday and Wednesday.

3. You will get the second exam by email on Tuesday 4/14 at 2 pm, and you solutions are
due at 2 pm on Wednesday 4/15. The exam covers sections 3.1-3.4, 4.1-4.4, and 6.1; it is
open book, but it is not a group exam: You must solve the problems on your own. Towards a
verification that you have solved the problems yourself, I will meet with each of you for
a few minutes on 4/15. Ideally, I would meet with all of you during the 50 min of class
time, but it may be hard so I ask for volunteers who will be willing to meet the hour
before or after class. Please let me know. Notice also that the extra credit opportunity
mentioned above provides good practice for this part of the exam.

Best,
Lars
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| **From:** | Christensen, Lars W |
| **Sent:** | Monday, April 6, 2020 17:20 |
| **To:** | Christensen, Lars W |
| **Subject:** | Math 3360 revisions to Homework 10 and more |

Hi all,

The topics of this email are:

1. Updates to Homework Assignment 10 due tomorrow
2. Revised Syllabus and Course Calendar
3. Exams

1. I have updated the homework assignment due tomorrow: A question (c) was missing on Problem 1. Feel free to email me questions if you cannot make it to office hours.

2. I have put the revised course calendar and syllabus on my teaching page http://www.math.ttu.edu/~lchriste/teaching.html . The most important change, other than that we now meet online, is that homework now counts for 50% of the grade. Of the total 18 assignments the 15 best will be counted towards the final grade. Office hours continue to be 3-5 on Tuesday through Friday and 4-5 on Mondays.

3. The guidelines for how to handle exams are a moving target, but the following arrangement should be in agreement with all guidelines currently in place: You will receive your exam questions 24 hours before the exam begins (4/14 at 2pm and 5/11 and 4:30pm). During the exam time (4/15 2-2:50pm and 5/12 4:30-7pm),I will meet with you one-on-one in Blackboard Collaborate and have you talk me through a problem that is (almost) identical to one of those on the test; this is to reassure myself that you have solved the problem yourself. To actually meet with all of you in the 50 or 150 minutes the exams are scheduled for will be hard, so I hope that those of you who could meet earlier will volunteer to do so. The important thing is that those who cannot meet at any other time than the one officially scheduled gets that opportunity. I hope this makes sense. The exams are of course open book.

Best,
Lars

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| **From:** | Christensen, Lars W |
|---|---|
| **Sent:** | Monday, March 30, 2020 16:32 |
| **To:** | Christensen, Lars W |
| **Subject:** | Math 3360-003 about first online class |

Hi All,

The topics of this email are

1. TODAY'S CLASS
2. HOMEWORK DUE TUESDAY
2. WEDNESDAY'S CLASS

1. Today we met for class at the usual time, but now in our virtual classroom in Blackboard. As promised I have put the notes on http://www.math.ttu.edu/~lchriste/teaching.html . Thanks to those who asked and answered questions, I hope that we can get this online experience close to the real thing, so please interrupt me with questions.

2. Remember that there is homework due tomorrow, at Midnight; the assignment is on http://www.math.ttu.edu/~lchriste/teaching.html You can email your solutions to me, but please used a scanning app for your phone or computer. Let me know if you would prefer to upload your assignments in Blackboard.

3. On Wednesday we meet again at the usual time, 2pm, on Blackboard Collaborate. Reading assignments are as always on http://www.math.ttu.edu/~lchriste/teaching.html . Today I sent a deep link to the session; I won't do that on Wednesday, so make sure that you find the link on the course Home Page within Blackboard.

Best,
Lars
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| From: | Christensen, Lars W |
| --- | --- |
| To: | Christensen, Lars W |
| Bcc: | Adikari, Roshan; Fonseka, Dilini; Pathmanathan, Sureka; Ratnavale, Saikanth |
| Subject: | Math 3360-003 next week |
| Date: | Friday, March 27, 2020 17:26:00 |

Dear students,

We have never offered Math 3360 online, so we are all Guinea pigs. I have made a plan for the first week, and next Friday we will evaluate and decide how to proceed.

VIRTUAL CLASSROOM
We have a virtual classroom in Blackboard Collaborate. We will meet there on Monday at 2pm as usual. If you are not familiar with this feature in Blackboard, take some time to make sure that you can find the room and connect. On Monday I will login one hour before, at 1pm, so feel free to come early. If you experience any problems, call me on the phone number in the signature below.

On Monday I will go over Homework 7—a sketch of solutions is already on the class homepage—and I will finish Section 4.2 in the textbook. This is not an ambitious program, but we will need some time play around in our new classroom.

ASSIGNMENTS
I have updated the class homepage with reading assignments for Monday and the next homework assignment, which is due already next Tuesday (and, therefore, it only has two problems). Another assignment will be due on Friday. I will keep updating the class homepage because it is easy to access, but as we (read, I) get more familiar with Blackboard the information will be duplicated there.

You will have to scan your solutions and send them to me. There is a free app called Adobe Scan that does a good job; it is available for both i and Android phones. Please do not send pictures.

OFFICE HOURS
Next week I will have office hours 3-5pm Monday to Friday. You can call me on the phone or use some of the features in Blackboard. If you call from a computer we can do screen sharing. If you want to contact me by email please use your TTU account.

I look forward to get the class going again on Monday, in the meantime have a good weekend.

Best,
Lars

--------------------------------------------------------------------
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Lubbock, TX 79409-1042            Homepage: www.math.ttu.edu/~lchriste

**To:**            Christensen, Lars W
**Subject:**       Math 3360-003


Dear Math 3360 students,

It appears that we won't be meeting face to face for the foreseeable future, hence this email which covers:

1. EMAILS WITH COMMUNICATIONS TO CLASS
2. HOMEWORK 7
3. ONLINE TEACHING STARTING NEXT MONDAY

1. This email is the first in a thread that will continue until the end of the semester. All information about class organization, deadlines, and everything else that's not math will be communicated in these emails. To help you not miss anything important, I will put the emails on the class homepage.

2. I have scanned your graded Homework 7 and will send it to you later this week. Solution sketches will be put on the homepage.

3. On Friday I will send you a detailed plan for how the online delivery will be organized. The main features are:
       (a) The platform will be Blackboard, where we have so far only used the Gradebook
       (b) We will meet in the virtual classroom MWF at 2pm as usual; first time on 3/30
       (c) Homework will be due twice a week, on Tuesdays and Fridays
       (d) I will have "office hours" every afternoon.

Best,
Lars
--------------------------------------------------------------------
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