

Overview

This sheet summarizes information related to CSC373H1F *Algorithm Design, Analysis, and Complexity* during Fall 2020 at St. George. All times listed below are in the **Eastern time zone**.

Course Page

Please consult the **course webpage** for full and up-to-date details regarding the course. It will be frequently updated with announcements, schedule of lectures, and assignments. *You are responsible for reading all the announcements on the course website; please check weekly.*

<https://www.cs.toronto.edu/~nisarg/teaching/373f20/>

Instructor Contact

Instructor Nisarg Shah
Webpage [cs.toronto.edu/~nisarg/](https://www.cs.toronto.edu/~nisarg/)
Email nisarg@cs.toronto.edu
Office SF 2301C (I will not be available in the office in Fall 2020)

Discussion Board

Piazza will be the preferred forum for asking questions about class material or other topics that are likely to be of general interest to the class. While it may be quicker than scheduling an office hour with an instructor, please do not expect ultra-quick responses.

<http://piazza.com/utoronto.ca/fall2020/csc373>

Zoom Information

CSC373 will be fully online in Fall 2020. All lectures, tutorials, office hours, and tests will be conducted through Zoom. Students will need to be **logged into Zoom via their mail.utoronto.ca email**, and will be expected to follow common Zoom etiquette.

All Zoom links for the course will have the same password, which is available from the course discussion board or from the instructor by email request.

Lectures

Both sections (LEC 0101 and LEC 0102) will have lectures at the same time. The lectures will be delivered live by the instructors. Students attending the lectures live will have an opportunity to ask questions via chat, and the instructor or a TA will answer them.

The lectures, including your participation, will be recorded on video and will be available to students in the course for viewing remotely and after each session.

Time Tue 4–5, Thu 1–3

Zoom Link <https://utoronto.zoom.us/j/91313402863>

Office Hours

Office hours will be conducted by the instructor. There will be two slots of one hour each. Office hours will be conducted over Zoom. During the office hours, you should keep yourself muted. If you have a question, use the “raise hand” feature, and the instructor will call upon students in order. When called upon, you can unmute yourself and ask the question.

Time Wed 4–5, Fri 10–11

Zoom Link <https://utoronto.zoom.us/j/94871161650>

Tutorials

There will be a tutorial each week at the same time for both sections. Each section will be broken into three tutorials based on students' birth month: **A = Jan-Apr, B = May-Aug, C = Sep-Dec.**

A problem set will be released prior to each tutorial. Students are encouraged to attempt the problems before coming to the tutorials. During the tutorials, the TAs will explain the problems, allow students to discuss them in small breakout rooms, and then go over key steps of the solutions.

Some tutorial slots will be used for conducting exams. Hence, it is essential that you are able to attend the tutorials live. **No alternative arrangements will be made for missed tests, except in case of medical needs accompanied with proper official documentation.** On weeks when the tutorial slot is **not** used for a test, you can feel free to switch to a different tutorial, if you wish.

Sub-section	Time	Zoom Link
LEC 0101-A	Tue 5–6	https://utoronto.zoom.us/j/93308153623
LEC 0101-B	Tue 5–6	https://utoronto.zoom.us/j/99887962318
LEC 0101-C	Tue 5–6	https://utoronto.zoom.us/j/91999281101
LEC 0102-A	Tue 5–6	https://utoronto.zoom.us/j/97581586836
LEC 0102-B	Tue 5–6	https://utoronto.zoom.us/j/94132011053
LEC 0102-C	Tue 5–6	https://utoronto.zoom.us/j/94630492048

Assignments

A total of **four assignments** will be posted throughout the course, of which only your **best three assignment grades** will count towards your final grade.

We will use MarkUs for assignment submissions. Each assignment can be completed in groups of **up to three** students. You can form your own groups via MarkUs. Only one group member should create a group and invite others to the group, and only one should submit the assignment.

Only PDF submissions will be graded. You are encouraged to use LaTeX. Scanned PDF of handwritten solutions will be acceptable, but it is your responsibility to ensure that the handwriting is legible! MarkUs has a size limit, so you may need to use an online tool to compress your PDF before uploading.

<https://markus.teach.cs.toronto.edu/csc373-2020-09>

Late Submissions

- Each student will receive a total of four (4) late days on MarkUs; **no more than two (2) late days** can be used towards a single assignment.
- If a group wants to use X late days towards an assignment, **every** member must have at least X late days available, and X late days will be deducted from every group member upon submission.
- You **do not** earn extra late days for illness, University activities, or other legitimate reasons; these reasons is precisely what the five late days are for. You are responsible for managing your late days.
- If, for some legitimate reason, you absolutely need more late days, you will need to personally request them from the instructor with proper documentation.

Grading Scheme

- The breakdown is as follows: assignments - 30%, term tests - 40%, final assessment - 30%.
- As mentioned above, only your *best three assignment grades* will count towards your final course grade, and each will be worth 10%.
- Each of the two term tests will be worth 20%, and the final assessment is worth 30%.
- The final assessment will be a three-hour timed term work, which will be conducted synchronously in a time slot scheduled by the FAS.
- If you earn less than 40% on the final assessment, your overall grade may be reduced below 50.

Approximate
Due Dates

Please note that the following dates are **approximate**, and the actual due dates may differ by a few weeks.

Assignment 1	Apx. Oct 9
Assignment 2	Apx. Oct 30
Assignment 3	Apx. Nov 13
Assignment 4	Apx. Nov 27
Midterm 1	Apx. Oct 20
Midterm 2	Apx. Nov 17

References

- The primary reference for this course will be the lecture slides, which will be posted before/slightly after each lecture. In addition, you may refer to the following books.
- *Required:* [CLRS] Cormen, Leiserson, Rivest, Stein: *Introduction to Algorithms*.
- *Supplementary:* [DPV] Dasgupta, Papadimitriou, Vazirani: *Algorithms*.
- *Supplementary:* [KT] Kleinberg; Tardos: *Algorithm Design*.

Petitions

- If you are unable to complete homework or if you miss a test due to major illness or other circumstances completely outside your control, please **contact your instructor immediately**.
- Special consideration will be evaluated on a case-by-case basis and will *not* be given automatically. In other words, you risk getting a grade of zero for missed work unless you contact your instructor *promptly*.
- In the case of illness, students will need to fill out an absence declaration form on ACORN and notify the instructor for special consideration.
- If you have any concern or question regarding your situation, please contact your College Registrar—they are best equipped to help you with anything you may be going through.

Remark
Requests

- Assignment remark requests will be handled through MarkUs. Remark requests for midterm tests will be handled in office hours. For each work, the deadline for remark requests will be announced (either on MarkUs, in class, or on course webpage). It is your responsibility to submit remark request by the deadline.
- Be specific when you write up your request: either clearly demonstrate that the grading scheme was not followed correctly, or ask questions about specific elements in the grading scheme. Note that grades are awarded based on *merit*, not on need—that is the only fair way to award grades—so statements like “I worked really hard” or “I really need those grades” are not good reasons.

Collaboration

Everything that you submit for grades (assignments, tests and exam) must not contain anyone else’s work or ideas *without proper attribution*. In particular, for assignments, you are free to discuss with other groups. However, you should not take notes or pictures from this discussion. You must write your own solutions in isolation from other groups, without copying from notes or other sources. This ensures that your solution is truly your own. If you derived a critical insight relevant to the exact problem you’re solving from discussion with a classmate or from an online source, you *must* cite the source of your insight. *To be safe, do not let others look at your solutions, even in draft form and even after the due date.*