

**Overview**

This sheet summarizes information related to CSC373H1-Y *Algorithm Design, Analysis, and Complexity* during Summer 2022 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 at least once a week.*

<https://www.cs.toronto.edu/~deepkush/teaching/373s22/>

**Instructor Contact**

**Instructor** Deepanshu Kush

**Webpage** <https://www.cs.toronto.edu/~deepkush/>

**Email** [csc373-2022-05@cs.toronto.edu](mailto:csc373-2022-05@cs.toronto.edu)

**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.

[piazza.com/utoronto.ca/summer2022/csc373h1y](https://piazza.com/utoronto.ca/summer2022/csc373h1y)

**Course Delivery**

All lectures and tutorials will be conducted in-person only. The lectures will be recorded (your participation may also be recorded), and the recording will be made available via the course web page.

The office hours will be mixed: at least one hour per week in-person and at least one hour on Zoom.

**Assignment submissions** will be online via MarkUs, and **tests** will be administered in-person.

Please consult the course web page for up-to-date details regarding the course delivery. Please note that the delivery format of any component can change during the semester.

All Zoom links will have the same password (emailed to all registered students in advance and available from the instructor upon request), and require the students to *log into Zoom via their \*.utoronto.ca or \*.toronto.edu email*. Students will be expected to follow common Zoom etiquette.

**Tutorials**

Tutorials will be on Thursdays, 6-7pm. The class 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 and go over key steps of the solutions.

### Assignments

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

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

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

<https://markus.teach.cs.toronto.edu/2022-05>

### Late Days

- 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 four 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 exam/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 exam/assessment will be worth 30%.
- If you earn less than 40% on the final exam/assessment, your overall grade may be reduced below 50.

### (Approx.) Due Dates

Assignment 1	May 31
Assignment 2	June 15
Assignment 3	July 16
Assignment 4	August 7
Midterm 1	Week of June 22-27
Midterm 2	July 27

### 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.*

## Recording and Sharing

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

Course videos and materials belong to the instructor, the University, and/or other sources depending on the specific facts of each situation, and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor. For questions about recording and use of videos in which you appear please contact the instructor.

## Academic Integrity

While submitting any assessment (exam or assignment) for this course, you must adhere to the following statement:

*In submitting this [quiz, exam or assignment], I confirm that my conduct during this [quiz, exam or assignment] adheres to the **Code of Behaviour on Academic Matters**. I confirm that I did NOT act in such a way that would constitute cheating, misrepresentation, or unfairness, including but not limited to, using unauthorized aids and assistance, personating another person, and committing plagiarism.*

## Recognized Study Groups

RSGs are voluntary, online peer-led study groups of up to 8 students enrolled in the same A&S course. The RSG program is designed to increase student engagement in individual courses, support academic skill-building and keep students socially connected throughout the term. Each RSG requires a student to sign-up and receive Leader training under Student Success staff supervision, prior to establishing an RSG in their course. Sign-up link [here](#).