



UNIVERSITY OF
WATERLOO

Examination Final Spring 2026 CS 338

Special Materials

Candidates may bring only the listed aids.

- Calculator - Non-Programmable

Please print in pen:

Waterloo Student ID Number:

--	--	--	--	--	--	--	--

WatIAM/Quest Login Userid:

--	--	--	--	--	--	--	--

Times: Tuesday 2026-08-11 at 19:30 to 22:00 (7:30 to 10PM)

Duration: 2 hours 30 minutes (150 minutes)

Exam ID: 6620351

Sections: CS 338 LEC 001,002

Instructors: Collin Roberts

Additional Materials Allowed: any non-programmable calculator

Instructions (Read carefully before the exam begins):

1. Before you begin, make certain that you have one exam booklet containing 22 pages.
2. **Free-Form Answer Questions**
 - (a) Provide a concise answer to each question in the space provided in this exam booklet.
 - (b) If you need more space to complete an answer, you are likely writing too much.
 - (c) However, if you need more space, then use the blank pages at the end of the free-form answer section, and indicate that you have done so in the space for the original question.
3. **Multiple Choice Questions**
 - (a) Fill in the best answer for each question **on the answer page provided at the end of this exam booklet.**
 - (b) Answers indicated on the question pages in this exam booklet **will not be graded.**