

CMPT 726: Machine Learning

Final Exam

Simon Fraser University

Fall 2012

Instructor: Oliver Schulte

1. **Write down your name and student number.**
2. Answer all six questions. You can use any typesetting program you like to write your answers (e.g., Latex or Word). Be sure to **make clear which answer goes with which question**. Clarity, spelling and grammar count. If you are introducing symbols, or if you are using symbols introduced in the course in a special way, define what the symbols mean. Unless otherwise indicated, yes/no questions or questions of the form “what is the value of x” require, in addition to “yes” or “no”, or “5”, a brief explanation of why your answer is the right answer for full points.
3. This exam consists of 9 pages. You can earn a total of 69 points on the exam. I indicate the worth of each question, both for the whole question and its parts.
4. For short answer/multiple choice questions, you can get full marks for giving the right answer, and *partial* credit for explaining a wrong answer if the explanation contains enough correct insights.
5. Please submit your answers in two ways.
  - a. As a pdf file on-line using the course assignment system <https://courses.cs.sfu.ca/> . Deadline: **Friday Nov 30 5:30 pm**.
  - b. As a hardcopy into the CS main office drop box. Deadline: **Monday Dec 3 5 pm**.  
I will take off 5% for each day that your exam is late, for either of these deadlines.
6. You should write this exam *on your own*. You may consult the lecture notes and the textbook. Do **not**
  - a. Give/receive answers to/from other students
  - b. Use a web search to find solutions.