

CSC 411 Final exam study guide, Fall 2007

- No aids (e.g., notes, calculators) are allowed; all you need is a pencil or pen and your brain. The Faculty of Arts and Sciences says: “Electronic devices of any kind, including cell phones, are not permitted at the exam. They are considered to be unauthorized aids, and possession of an unauthorized aid is an academic offence. Any such aids will be confiscated and the student reported to the Deans Office. Please instruct students to leave ALL electronic devices at home or the side of the room, and please tell them to bring a watch or travel clock for time-keeping purposes and NOT a cell phone. ”
- The exam covers all material from lecture and tutorial, with the following exceptions, which will NOT be on the final:
 - Probabilistic PCA
 - LLE
 - Kernel PCA
 - Free Energy
 - Lagrange multipliers, and any proofs/derivations that use them.
 - Derivation of AdaBoost

You should know all of the other models and algorithms covered in class, as well as their relative merits and their derivations. You will need to know kernel functions and their use in SVMs, but not the steps of the derivation of the Lagrangian.

- The exam questions will generally be slightly simpler than the homework questions, but slightly more in-depth than the midterm questions.
- You don't need to know anything specific about MATLAB for the final.
- **If your final exam mark is higher than your midterm mark (in terms of percentage), then I will replace your midterm mark with your final mark.**