- Students can consult whatever material they choose. They are free to discuss with anyone, including other students in this class, students beyond this class, co-workers and faculty. No limit.
- The answer must be written in the student's own words without assistance from anyone else. Any verbatim content from any other source must be clearly identified as a quote with source identified.
- It is highly unlikely that excessive web browsing will effectively help with the solution. Anything you find on the web may well be wrong and too complicated. Spend more time and effort thinking. Don't waste all your time browsing. Some browsing is appropriate and should help craft a good answer.
- If your answer is based on material you found elsewhere, you must cite the source. Failure to cite a source is an act of academic misconduct.

- There is no "correct" answer. I am looking for demonstration that you can think through the question and answer it coherently. I have not thought through what my own detailed answer to these questions might be. I am interested in seeing what answers the class can come up with.

- Discussion and mention of irrelevant issues will be penalized.
- Use of incorrect and sloppy English will be penalized.
- Late submissions will result in substantial penalty.

Answer all questions. All questions have equal weight.
Each question has maximum 1 page allowance for answer in 11 point font single space.
You are not required to use the full space.
A significantly shorter answer is likely to be inadequate.

Submission Guidelines

- **Solutions are to be submitted by email in pdf to ravi.utsa@gmail.com with**
  - **subject title "Assignment 1: <student name>"**
  - **name of attached file: "Assignment 1: < student name >.pdf"**
- **Include a cover page with the following honor code statement signed by typing your name below it:**
  I have not taken any help or given any help from anyone in the writing of my solution. Any material obtained directly from another source has been clearly identified as a quote with appropriate attribution. I understand that simply rewording such material does not exempt me from this requirement.

Text must be typed. Hand drawn figures are acceptable if appropriate but must be scanned and incorporated in submitted pdf. Figures must fit within the specified size limit for the entire answer.

There are 3 parts to the assignment. For each of the following provide arguments for and against the stated position. Cite at least 3 external sources to support your answer.

1. The large-scale global Automatic Teller Machine (ATM) network is secure.

2. Conventional wisdom states that security by obscurity is a bad idea and should be avoided. Nevertheless, it is often pursued in practice. The military classifies many security designs. Apple iOS holds its code and design secret as compared to Android. Provide arguments for and against this conventional wisdom.

3. For ABAC to be useful in practice it must include RBAC as a subset.