

**CS 6393/CS 4483 SPRING 2021 ASSIGNMENT 1 ON LECTURE UNIT 1
PROF. RAVI SANDHU
POSTED ON 3/4/21**

**RECOMMENDED SUBMISSION: BY 3/26/21 MIDNIGHT CENTRAL
LAST DATE FOR SUBMISSION: BY 5/14/21 MIDNIGHT CENTRAL**

**DO NOT WAIT TILL LAST MINUTE TO PREPARE YOUR RESPONSE
I WILL GRADE AND RETURN INDIVIDUAL SUBMISSIONS AS THEY COME IN**

ASSIGNMENT 1 GUIDELINES

- Your response must be formulated and written individually without discussion with anyone else.
- You can refer to any material but are not allowed to discuss with anyone, including but not limited to your classmates.
- Excessive searching for relevant material is not recommended.
- Please cite any external sources used in your response and identify any parts directly taken from such a source as a quotation.

- Discussion and mention of irrelevant issues will be penalized.
- Use of incorrect and sloppy English will be penalized.
- Poor presentation will be penalized.
- Response must be typed. Hand drawn figures are acceptable if appropriate but must be incorporated in pdf.

- Your response is due by the final date of May 14, 2021
- It is strongly recommended that you submit by the suggested date of Mar 26, 2021
- However, there is no penalty or extra credit as long as you submit by May 14, 2021

- Submit your response for Assignment 1 as a pdf file named <your last name>1.pdf
- Submit your response in an email according to the following template.
 - **To:** ravi.sandhu@utsa.edu
 - **Subject:** 6393 assignment 1 OR **Subject:** 4483 assignment 1
 - **Email body:** *Please include the following honor code statement*
As per the UTSA honor code I attest that I have not taken any help from anyone, including but not limited to my classmates, in formulating and writing this response. Also, I have not given any help to anyone else in writing their response to this assignment. Finally, I attest I have cited all sources used in my response and identified as quotations any material taken directly from such sources.
 - **Email attachment:** *Include a pdf file named <your last name>1.pdf*

- 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.
- Your response (including references) must fit in 1 single-spaced page in 11 or 12 pt font. Responses smaller than 2/3 page are likely to be inadequate.

ASSIGNMENT 1 ON LECTURE UNIT 1

Write a short essay addressing any ONE of the following questions pertaining to Lecture Unit 1.

1. What is the relationship between Security and Privacy?
2. Is the ATM (Automatic Teller Machine) network secure?
3. What is the relationship between Privacy and Intellectual Property Protection?
4. Do attackers have an asymmetrical advantage?

Your essay should comprise clearly marked parts labelled as Part A, Part B, Part C and Part D addressing the following points.

- A. Identify what (if anything) the lectures in Unit 1 say about this topic.
- B. State a position on this topic that you would like to support.
- C. Provide arguments in support of your position. (Opposing arguments can also be provided if helpful to the response.)
- D. Provide at least 2 and no more than 3 references to academic papers from the literature to support your position. These references should be cited in Part C.

(What is an academic paper? We will use the criterion that an academic paper should show up amongst the top results in a Google Scholar search, given the full title and authors. You can check with me whether your references are acceptable prior to writing the response.)