All work must be your own. You may discuss the topic with only the other students in class and the instructor, but you cannot copy materials from anyone or anywhere (journals, magazines, conferences, web, etc., this list is not exhaustive).

1. There are many possibilities for a security project. For example, you can: select a cyber security problem that is still open and work on solving it, or select a solved problem and work on it from a new angle, or find a new vulnerability, or work on a known vulnerability and find a new/better solution for it, etc. If the problem has already been solved, then you must find a novel angle of attack: either some improvement of the solution itself, or applying it to bigger and more recent datasets, etc. Similarly for a known vulnerability. There must be a clear plan for obtaining a dataset for the problem or fertile ground for a vulnerability. For example, in the dataset case either one is already available or it is feasible for you to collect it itself (I will call this “the data plan”). In the vulnerability case, maybe some piece of software or service has not been investigated at all or at least not sufficiently (the “system plan”). Deadline for selection and results of literature search Nov. 6, 1pm. You must turn in: the security problem, the dataset/system plan, a brief plan of what you will do (“the action plan”), and the results of the literature search (your search queries, search results and databases used in the searches).

2. If the problem is not approved for any reason (e.g. if it is not relevant to the course, or it is too well-studied, or if it is not an important problem), you must find an alternative by Nov. 9, 4pm, or accept a problem from me. Hence you are strongly encouraged to choose the problem carefully and to discuss it with me well before the deadline.

3. Do the work and write a report on your findings/results. The deadline for this is Dec. 4, 5pm.

4. Document all your work and share it with the rest of the class in a short presentation of 10 minutes, more on this aspect later.

**Formatting.** The problem, the data plan, the action plan, and the results of the literature survey should be turned in as an organized and readable document of no more than 5 pages. Note that if your problem already has 2-3 pages or more of references on it, it is probably too well studied. Use only one side of each sheet, single spacing and 1 inch margin on all sides with no less than 10 point font. Staple all sheets together. No unstapled term papers will be accepted. Follow MLA or computer science literature format for the bibliography section of the paper carefully. Remember to include your name and email address (one that you check at least once daily) on all submissions.

and Distributed System Security Symposium (NDSS) and European Symposium on Research in Computer Security (ESORICS).

N.B. Do **NOT** tear papers from books or journals in the library! The library has excellent CDROM databases and free printing facilities and low cost copying services.