CSC 325 – Introduction to Privacy: Policy and Technology

1. CSC 325 – Introduction to Privacy: Policy and Technology

2. **credit units** 4 **contact hours** 6

3. **Course Coordinator:** Bruce DeBruhl

4. **Textbook (or other required material):** None

5. a. **Course Description:**
   Introduction to policies and technologies related to digital privacy. Legal decisions and policies, domestic and global cultural expectations, and privacy related technologies including applications to surveillance, big data, websites, mobile, and privacy by design. 3 lectures, 1 laboratory.

   b. **Prerequisite:** CSC 300

   c. **Required/Elective/Selective Elective for CPE, CSC, EE, SE**

      |                | CSC | CPE | SE |
      |----------------|-----|-----|----|
      | Required       |     |     |    |
      | Elective       | X   | X   | X  |
      | Selective Elective |    |     |    |

6. a. **Course Learning Objectives**
   The student will be able to:
   - Evaluate arguments presented in legal journals that relate to privacy.
   - Develop and critique arguments about privacy and surveillance which build on disparate sources.
   - Debate current and unresolved topics in privacy policy and technology.
   - Analyze the ethical implications of privacy and surveillance.
   - Identify personally identifiable information as well as technologies for the safe storage of personally identifiable information.
   - Design code to comply with an organization’s privacy policy.
   - Evaluate and compare a variety of privacy preserving technological tools in domains which may include internet, mobile, and big data.
   - Evaluate the business trade-offs that arise due to privacy concerns.

   b. **Level at which Student Outcomes are addressed**
   (“B” = Basic level, “I” = Intermediate level, “A” = Advanced level)

      | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
      |---|---|---|---|---|---|---|
      |   |   | A | A |   |   | N/A|
      | SE/ |   |   |   |   |   | A |
      | CPE | I | A | A |   |   |   |
7. **Major Topics Covered: (number of lecture hours per)**
   - Definitions of privacy (2)
   - Privacy fundamentals (3)
   - Privacy law (3)
   - Special privacy concerns (3)
   - Privacy tools (3)
   - Internet privacy (5)
   - Smartphone privacy (3)
   - Current topics (5)