

Assignment 3: Xinformatics (Spring 2025) (10% written and 5% for presentation)

Due: TUESDAY Mar 11th 2025 by 10:00 pm ET on LMS or by email (both written part and presentation slides)

Submission method: LMS or email

Individual-In-Class Presentation: Wednesday, Mar 12th, 2025 during the class time.

Please use the following file naming for electronic submission:

Xinformatics2025_A3YOURFIRSTNAME_YOURLASTNAME.doc (or docx/pdf/ ppt)

Late submission policy: First time no penalty, otherwise 20% of score deducted each late day

Assignment: Analysis of cognitive, collection and social/cultural aspects of information systems in signs – discussed and decomposed. The weighting for each question is included in the rubric on LMS.

Please use the question numbering (1-4) below for your written responses for this assignment. Choose a signage “system.” Pick an analog or digital information system that utilizes ‘signs’ (icons, indices, symbols). It can be one you like or dislike.

1. Write min 1-2 sentences on why you made your choice. Include a graphic of your chosen information system

2. Describe signs in the system you chose and why it is a ‘system’. Describe the “properties, attributes, and leverage points” to frame your description of the system. Write 2-3 min sentences per sign for at least 3 signs. 6400-level question: calculate or estimate the uncertainty in the information content for part or all of the information system.

3. Semiotic analysis: classify the signs according to categories defined in class, e.g. what is the signifier and what is signified; what is the index and indicate which are icons, or symbols? Min. 1 sentence per sign component. Describe the “code” or paradigm used. Min. 1-2 sentences.

4. For your chosen signage system what library, cognitive and/or social science principles have been applied in their development? What, if any, attention is given to syntax, semantics, and pragmatics; describe them – min 3-4 sentences

5. Present in class. Discuss the relevant informatics considerations from questions 1 (why), 2 (system aspects), 3 (semiotics), and 4 (principles applied). Present for ~5 minutes.