Content and Objectives of the Lecture and Group Work on the Lecture Topic:

The lecture will introduce the basic concepts of RDF (Resource Description Framework), the basis of linked data in the Semantic Web. RDF representations of library standards, including Dublin Core, the Functional Requirements family, ISBD, RDA, MARC21 and UNIMARC, will be described with a discussion on their application to linked data for manuscripts. The lecture will also present a methodology for creating linked data from bibliographic records for manuscripts. Group work will use this methodology in an exercise to create linked data from a UNIMARC record for a manuscript. The objectives of the lecture and group work are to introduce students to linked data concepts, methods, and their application to metadata for manuscripts.

Assignment:

Students who choose to write an essay on this topic would be expected to demonstrate an understanding of the basic concepts of RDF and linked data, and their application to metadata for manuscripts to enhance resource discovery and access in the Semantic Web and enrich the context of manuscripts in online environments. Students would also be expected to use examples relevant to manuscripts, their digital surrogates, and their associated metadata standards.

Readings:

2. W3C. SKOS Simple Knowledge Organization System - home page. 2010. Available at: http://www.w3.org/2004/02/skos/


8. Open Metadata Registry. No date. Available at: http://metadataregistry.org/. Note: Includes RDF representations of elements sets for FRAD, FRBR, FRSAD, ISBD, and RDA, and vocabularies for ISBD and RDA.