

Course Profile: Science and Technology Information Services and Resources

Course Number: LIS 7120

Title: Science and Technology Information Services and Resources

Credits: 3

Prerequisite(s): LIS 6120

Rationale for Inclusion in Curriculum:

The literature of the basic and applied sciences is an intrinsic part of the total spectrum of today's knowledge. An understanding of the nature, generation, organization, publication, and bibliographic control of this literature is basic to information professionals who are practicing in a relevant environment.

Course Objectives:

The student will be introduced to:

1. A basic understanding of the nature and characteristics of science, the scientific method, and the relationship between basic and applied science.
2. The communication patterns of the scientific community and the forms in which scientific information is transmitted, recorded, and disseminated
3. How scientific record is controlled bibliographically, both nationally and internationally.
4. The impact of new technologies on the processes of document production, their accessibility and use in the sciences.
5. The interrelationship between science and the rest of human knowledge and endeavor, particularly the affinity with the social sciences, and to recognize the effect such connections have on valid bibliographic research.

Competencies Expected:

By the end of the course students will be able to:

1. Identify the various forms of communication common to the scientific community
2. Demonstrate sufficient familiarity with the nature of the various scientific disciplines to be able to identify to what fields any given search problem relates.
3. Analyze, structure, and perform an effective search on a scientific subject using both print and non-print materials.
4. Demonstrate an adequate working knowledge of scientific terminology.
5. Use the major print and non-print sources that provide scientific information.
6. Demonstrate awareness of the major avenues of announcements and publications in science and technology.
7. Demonstrate and ability to select and acquire new materials to a science collection.

WAYNE STATE
UNIVERSITY



Course Profile: Science and Technology Information Services and Resources

Bases for Evaluation of Student Performance:

Class attendance, class participation, and quality assignments submitted in a timely fashion.

Text: To Be Determined

Revised: 2/01