

LIS14 405EA2 ELECTRONIC INFORMATION SOURCES (SCIENCES)

4 Credits

Credit Pattern

Lecture	Tutorial	Practical	Total
3	1	0	4

Objectives

- To acquaint with the various types of electronic resources in various disciplines of Science.

Unit I

1.1 Electronic Information Sources: Concept and Need

1.2 Evaluation Criteria for Web Resources

1.3 Types of Web Resources

1.3.1 e-Journals

1.3.2 e-Books

1.3.3 Databases

1.3.4 ETD's

1.3.5 Blogs

1.3.6 Wikis

Unit II

2.1 Survey and Evaluation of Sources and Services in the field of Sciences

2.1.1 Zoology

2.1.2 Botany

2.1.3 Chemistry

2.1.4 Biochemistry

2.1.5 Physics

Unit III

3.1 Navigational Query Formulation

3.2 Search Strategies and Refinement Techniques in Online Databases and e-Portals in the field of Sciences

Unit IV

4.1 Online Data gathering and Analysis Tools for Research

4.2 Current Issues and Future Trends in Web Based Resources for Research

Suggested Readings

Arms, W. Y. (2000). *Digital libraries*. Cambridge, Mass: MIT Press.

Bazler, J. (2003). *Biology resources in the electronic age*. Westport, Conn: Greenwood Press.

Bazler, J. (2003). *Chemistry resources in the electronic age*. Westport, Conn: Greenwood Press.

Bazler, J. (2003). *Earth science resources in the electronic age*. Westport, Conn: Greenwood Press.
Gregory, V. L. (2000). *Selecting and managing electronic resources: A how-to-do-it manual*. New York: Neal Schuman Publishers.

Mates, B. T., Wakefield, D., & Dixon, J. M. (1999). *Adaptive technology for the Internet: Making electronic resources accessible to all*. Chicago, Ill: American Library Association.

Pappas, M., Geitgey, G. A., & Jefferson, C. A. (1999). *Searching electronic resources*. Worthington, Ohio: Linworth Pub.

Schlembach, M. C., & Mischo, W. H. (2001). *Electronic resources and services in sci-tech libraries*. New York: Haworth Information Press.

Secker, J. (2004). *Electronic resources in the virtual learning environment: A practical guide for librarians*. Oxford: Chandos

University of Oklahoma., & Lee, S. H. (2002). *Electronic resources and collection development*. Binghamton, NY: Hayworth Information Press.

Weber, M. B. (1997). *Electronic resources: Access and issues*. London: Bowker-Saur.

Wexler, P. (2009). *Information resources in toxicology*. Amsterdam: Academic/Elsevier.