

**LIS14 408EA WEBOMETRICS AND INFOMETRICS**

**(4 Credits)**

**Credit Pattern**

Lecture	Tutorial	Practical	Total
2	1	1	4

**Objectives**

- To acquaint students with various quantitative techniques in measuring behavior of library materials, media and information
- To make understanding of the science information and policy in development of knowledge

**Unit I**

- 1.1 Bibliometrics, infometrics,: Concept, Genesis & application
- 1.2 Scientometrics and Webometrics: Concept, Genesis & application
- 1.3 Bibliometric Laws: Classical Laws: Bradford, Zipf and Lotka. Derivatives and usefulness

**Unit II**

- 2.1 Citation analysis and studies: Concept, Techniques and Applications
- 2.2 Bibliographic measures: Ranking, Growth and Obsolescence. Various theories, Bibliographic Coupling etc.

**Unit III**

- 2.2 Research Metrics Standards: Overview
- 3.2 impact factor and its variant
- 3.3 H index, G index etc. Estimation, use and misuse

## **Unit IV**

- 2.3 Science information and measurement; science policy, distribution Parameters etc.
- 2.4 Metrics: Techniques in traditional and web environment.

## **Suggested Readings**

Devarajan,G ( n.p) Bibliometric Studies. New Delhi: S.S Publication

Tiwari, Ashwini(n.p) Bibliometrics, Infometrics and Scientiometrics: Opening New Vistas of Information Science  
Jaipur: RBSA Publication

Mahapatra, G(n.p) Bibliometric Studies in the Internet. New Delhi: India

Rao, RAvichandra (n.p ) Quantitative techniques in Library and information Science. Delhi: Wiley.