

DSE 2b

Content Development: Practical

120 Hours
(120hrs Practical)

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Pre-Requisite of the Course (if any)
		Lecture	Tutorial	Practical/ Practice		
DSE 2b: Content Development: Practical	4	0	0	4	BLISc	-

Course Objectives

This course provides practical skills in creating and hosting digital content for library environments. Students will master multimedia design, CSS-based website development, and the creation of subject gateways, while ensuring accessibility standards, data security, and proper server configuration for professional web hosting.

Learning Outcomes

After completing this course, students will be able to:

- ☞ Understand the concept of content development
- ☞ Able to design, create, develop and maintain online content
- ☞ Learn critical evaluation of website quality and maintenance of quality web pages
- ☞ Get acquainted with web design standards, their importance and how to manipulate images as per requirements.

UNIT I: Image and Graphics Design

25 Hours

- ☞ Images and Logo Creation
- ☞ Creation of Audio and Visual Contents
- ☞ Multimedia Content Creation

UNIT II: Design and Development of Library Websites

35 Hours

- ☞ Content Creation and Management
- ☞ Cascading Style Sheets (CSS)
- ☞ Design and Development of Library Website

UNIT III: Design and Development of Subject Gateways

35 Hours

- ☞ Content Creation and Management
- ☞ Design and Development of Subject Gateway

UNIT IV: Hosting of Web Contents

25 Hours

- ☞ Data Security
- ☞ Server Configuration
- ☞ Domain Configuration
- ☞ Hosting of Library Website and Subject Gateway

Essential Readings

- ☞ CEDERHOLM (D). CSS3 for web designers. New York: A Book Apart. 2015.
- ☞ CLARK (J). Building accessible websites. Indianapolis: New Riders Publishing. 2002.
- ☞ COOMBS (N). Making online teaching accessible. San Francisco: Jossey-Bass. 2010.
- ☞ CUNNINGHAM (K). The accessibility handbook. Sebastopol, CA: O'Reilly Media. 2012.
- ☞ DUCKETT (J). Accessible XHTML and CSS: Web sites problem design solution. Birmingham: Wrox. 2005.
- ☞ FELKE-MORRIS (T). Basics of web design: HTML5 and CSS3. Boston: Addison-Wesley. 2013.

Suggested Readings

- ☞ HORTON (S). Access by design: A guide to universal usability for web designers. Indianapolis: New Riders Publishing. 2005.
- ☞ HORTON (S) and QUESENBERRY (W). A web for everyone. Brooklyn: Rosenfeld Media. 2012.

- ☞ HORTON (S) and QUESENBERRY (W). Universal design for web accessibility. Brooklyn: Rosenfeld Media. 2014.
- ☞ HRICKO (M), ed. Design and implementation of web-enabled teaching tools. Hershey, PA: Idea Group Publishing. 2002.
- ☞ KIRKPATRICK (A) and others. Web accessibility: Web standards and regulatory compliance. New York: Friends of ED. 2006.
- ☞ MEIERT (JO). Little book of HTML/CSS coding guidelines. Sebastopol, CA: O'Reilly Media. 2015.
- ☞ RUSHBY (N) and others. Wiley handbook of learning technology. Hoboken, NJ: Wiley. n.d.