

INSTITUTE OF SPECIAL EDUCATION

University of the Punjab, Lahore

BS (5th to 8th Semester) in

Special Education

Etiology of Visual Impairment

Course Code: SEBS-280

Fifth Semester

(3 Credit Hours)

Prerequisites of course requirements/Skills

Course Code Course Title

SEBS- 145 Teaching of Braille and Computer Applications

Learning Outcomes

After completing this course students will be able to:

1. Identify different categories of visual impairment and their possible causes
2. Define and differentiate between blindness, partial sightedness and low vision
3. Understand different types of visual tests
4. learn about impact of visual impairment on different aspects of personality development
5. Acquire skills related to classroom management of visual impairment

Contents

Unit-1: Anatomy & Physiology of Eye

- 1.1 Structure & Function of Different Parts of the Eye
- 1.2 Visual Acuity
- 1.3 Vision Refraction
- 1.4 Signs and Symptoms of Visual Impairment
- 1.5 Possible Causes of Visual Impairment

Unit-2: Assessment of Vision

- 2.1 Introduction
- 2.2 Need of Comprehensive Tests of Vision and Limitations of Tests
- 2.3 Testing of Vision using Objective Tests
- 2.4 Test of Visual Field and Colour Vision

2.5 Use of Corrective Technology

Unit-3: Implications of Visual Impairment

3.1 Introduction to Visual Impairment

3.2 Blindness, Partial Sighted and Low Vision

3.3 Physical Implications

3.4 Social and Emotional Implications

3.5 Implications for the Family and Community

Unit-4: Management & Teaching Methodologies for Low Vision

4.1 Types of Residual Vision

4.2 Optical and Non Optical Aids for Low Vision

4.3 Assessment and Training Procedures to use Low Vision Aids

4.4 Educational Adaptations for Persons with Low Vision and Visual Impairment

Unit-5: Management and teaching methodologies for visual impairment

5.1 Teaching Methods used for Students with Visual Impairment

5.2 Preparing Teaching Aids (Tactile & Auditory)

Teaching Learning Strategies:

Text Book Review, Presentation, Group work, Field work

Assignment Types and Number with Calendar

Presentations, Oral and Written Quiz

1 Before Mid Term, 01 after Final Term

Assessment and Examination

Sr. No.	Elements		Details
1.	Midterm Assessment		It takes place at the mid-point of the semester. 9 th Week
2.	Formative Assessment		It is continuous assessment. It includes: classroom participation, attendance, assignment and presentations, homework, attitude and behavior, hands-on-activities, short tests, quizzes etc.
3.	Final Assessment		It takes place at the end of the semester. It will be a practical and written test

Suggested Reading

- Crandell, J. M., & Robinson, L.M. (2007). *Living with low vision and blindness*. USA: Springfield.
- Corve, A. L., & Erin, J. N. (2010). *Foundations of low vision*. (2nd ed.). USA: American Foundation for the Blind.
- Manduchi, R., & Kurniawan, S. (2013). *Assistive technology for blindness and low vision*. New York: CRC Press.
- Dodds, A. (1993). *Rehabilitations blind and visual impaired*. London: Chapman & Hall.
- Farrel, M. (2008). *Educating special children*. New York: Routledge.
- Gargiulo, R.M. (2006). *Special education in contemporary society: an introduction to exceptionality*. Austria: Thomson.
- Miller, D. (2005). *Visual needs*. London: Continuum.
- Sahu, B.K. (2002). *Education of exceptionalities children*. Ludhiana: Kalyani Publisher.
- Smith, D.D. (1998). *Introduction to special education*. Boston: Allyn & Bacon.
- Webster, A.& Roe, J. (1998). *Children with visual impairment*. London: Routledge.
- Wilmshurst, L. (2010). *The complete guide to special education* (2nd ed.). San Francisco: Jossey-Bass.