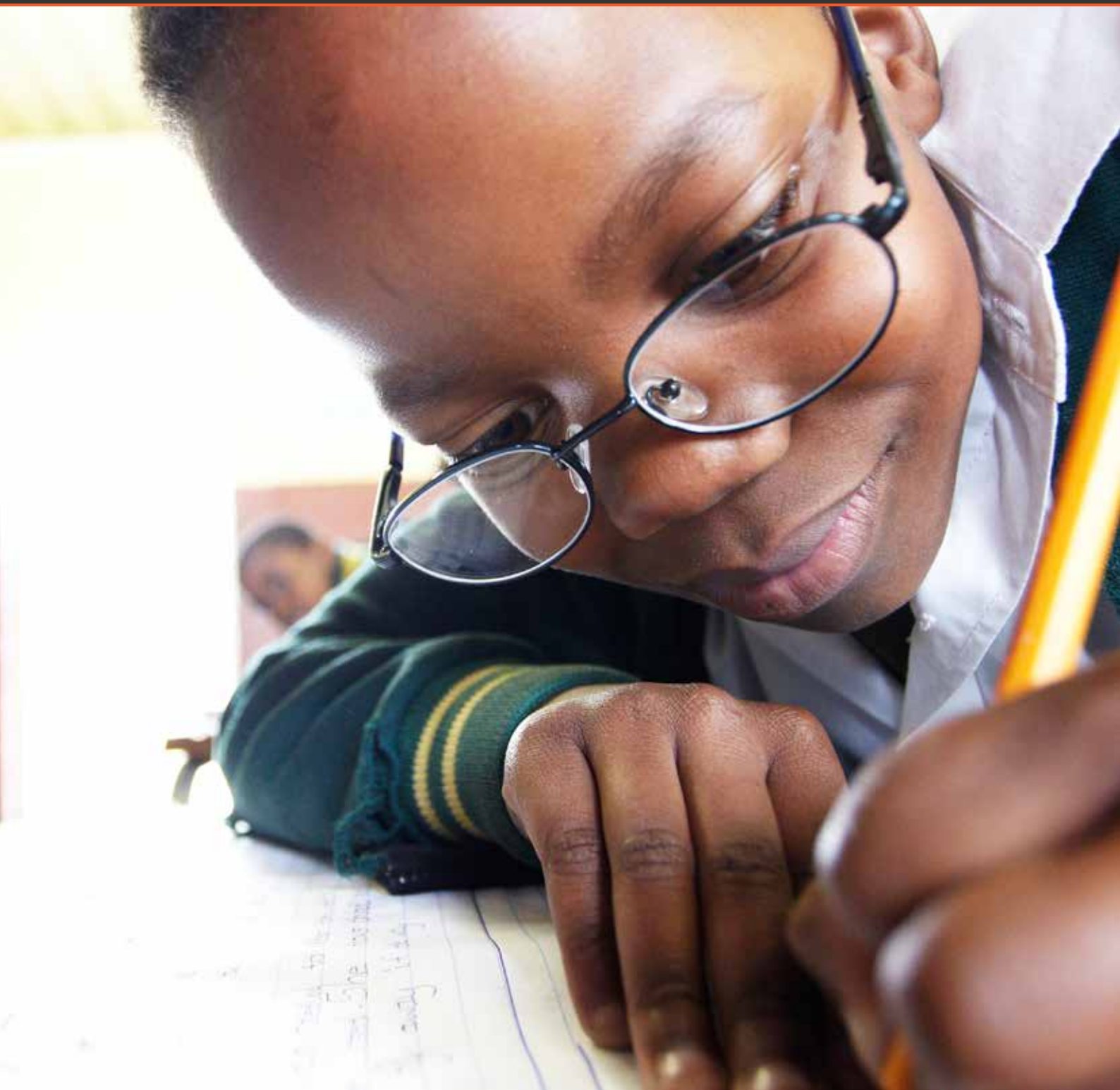
Brien Holden® VISION INSTITUTE ACADEMY

Global Optometry Resources

Low Vision 2



LOW VISION 2

STUDENT MANUAL

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Brien Holden Vision Institute Foundation (formerly ICEE) is a Public Health division of Brien Holden Vision Institute

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COURSE OUTLINE

COURSE AIM

This course aims to provide the student with the advanced knowledge and skills to assess visual impairment and disability, dispense specialized assistive devices and provide comprehensive low vision rehabilitative services.

COURSE OBJECTIVES

On successful completion of the module the student should be able to understand assessment and management of visual impairment and disability, optical and non-optical therapy, psychology of vision impairment and associated rehabilitative services, including for complicated cases of low vision.

By the end of the module the student should be able to:

- formulate the appropriate management approach for complicated low vision patients
- prescribe low vision aids to ageing patients with low vision
- explain the rehabilitative process of low vision patients
- describe systematic methods for observing the effects of low vision on visual function
- determine the optimum internal and external design characteristics that improve the functional ability of a person with low vision
- describe the social and psychological impacts of low vision

COURSE CONTENT

The topics covered in this course include:

- Environmental modification
- Lighting glare and low vision
- Prescribing for glaucoma and RP
- Training in the use of low vision devices
- Early intervention in low vision
- Reading speed and low vision assessment
- Low vision devices for children
- Prescribing for paediatric aphakia
- Management of children with multiple disabilities
- Functional vision assessment
- Functional vision assessment for children with low vision
- Scoring of functional vision
- Perspective of a low vision patient
- Case studies

COURSE DELIVERY

This module is designed to be delivered over 1 semester. Total delivery time for Geriatric Optometry is 56 hours; 28 hours of lectures and 28 hours of practical classes.

Learning and Teaching Methods & Resources

The suggested teaching methods for this course include: PowerPoint presentations, case studies, clinical attachments and question and answer sessions.

Suggested equipment for teaching includes:

- Low vision devices
- Standard optometric clinical equipment
- Computer & projector
- White board
- Handouts

RECOMMENDED ASSESSMENT

- Written examination
- Assignments

TEXT BOOKS

Prescribed texts

- Brien Holden Vision Institute. Global Optometric Resource Modules, Brien Holden Vision Institute; 2016.
- Dickinson C. Low Vision: Principles and Practice. Butterworth-Heinemann; 1998.
- Jackson AJ, Wolffsohn JS. Low Vision Manual. Butterworth-Heinemann.; 2007.
- Rosenblomm A, Rosenbloom & Morgan's Vision and Aging, Butterworth-Heinemann, 2007.

Recommended texts

- Brilliant, RL, Appel, S (1998) Essentials of Low Vision Practice, Butterworth-Heinemann.
- Chapman B. Coping with Vision Loss: Maximising What you Can See and Do, Hunter House, Inc., 2001.
- Faye EF, Clinical low vision, Boston : Little, Brown, c1984
- Faye EF, The Lighthouse ophthalmology resident training manual, Lighthouse International, 2000
- Freeman P. Randall TJ, The art and practice of low vision, Boston: Butterworth-Heinemann, c1997.
- Jose, RT, Understanding Low Vision, American Foundation for the Blind, 1983 (out of print)
- Keefe J, O'Connors P, Focus on low vision, [East Melbourne, Vic.]: Centre for Eye Research Australia, c2007.
- Mehr EB, Freid AN, Low Visison Care, Fairch Publications, 1975
- Nowakowski, R (1994) Primary Low Vision Care, Appleton and Lange.
- Rosenthal, B, Cole, R (1995) Functional Assessment of Low Vision (Mosby's Optometric Problem Solving Series), Mosby.

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