

Subject Description Form

Subject Code	SO2004
Subject Title	Clinical Optometry 1
Credit Value	4
Level	2
Pre-requisite	NIL
Objectives	<ol style="list-style-type: none"> 1. To introduce the role of optometrists in the primary eye care 2. To familiarize the student with the use of preliminary optometric procedure and refractive techniques to draw tentative diagnosis
Intended Learning Outcomes	<p>On completion of this subject, the student should be able to:</p> <ol style="list-style-type: none"> a. interpret background information collected from the patients in primary eye care b. practice preliminary optometric procedures and draw tentative diagnosis effectively c. measure the refractive errors objectively and subjectively d. diagnose types of refractive errors and identify cases with subnormal visual acuity e. manage the ametropia optically f. take up professional responsibility in the community and appreciate the need to learn continuously in primary eye care
Subject Synopsis/ Indicative Syllabus	<p>The preliminary examination Assessment of visual acuity Retinoscopy Clinical use of keratometry in refraction Auxiliary refractive techniques Subjective refraction</p>
Teaching/Learning Methodology	<p>Lecture: The preliminary optometric procedures, including history taking, visual acuity measurement, Hirschberg's test, cover tests, assessment of binocular motility, near point of convergence, near point of accommodation, the evaluation ocular dominance, pupil reflex test, confrontation visual field tests etc., and both objective and subjective refraction will be covered.</p> <p>Tutorial: Small-group discussions on clinically related topics will take place, e.g. discussion of clinical examination strategies, relationship amongst tests, and comparative evaluation of procedures.</p> <p>Laboratory: Students will be expected to compare, contrast and evaluate examination methods, and to practice the implementation.</p>

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c	d	e	F
	1. Practical	60	✓	✓	✓	✓	✓	✓
2. Examination	40	✓	✓	✓	✓	✓	✓	
Total	100							
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Several written tests will be arranged during the course to examine students' knowledge on the various topics.</p> <p>Practical examination will be adopted for students to demonstrate their competency on all optometric procedures covered.</p> <p>Final examination will be arranged to examine student's knowledge on all the topics covered.</p>								
Student Study Effort Required	Class contact:							
	▪ Lecture							16 Hrs.
	▪ Laboratory							42 Hrs.
	▪ Tutorial							3 Hrs.
	Other student study effort:							
	▪ Field work							3 Hrs.
	▪ Self-study							77 Hrs.
	▪ Total student study effort:							141 Hrs.
Reading List and References	<p><u>Prescribed Reading</u> Carlson NB, Kurtz D. Clinical procedures for ocular examination. McGraw Hill. 4th Ed. 2016 Grosvenor TP. Primary Care Optometry, 5th Ed., Butterworth Heinemann, 2007 Elliott DB. Clinical procedures in primary eye care, Butterworth Heinemann, 2007 Benjamin WJ. Borish's Clinical Refraction, WB Saunders, 2nd ed., 2006 Eskridge JB, Amos JF, Bartlett JD. Clinical Procedures in Optometry, Lippincott, 1991</p>							