

Academic Program Description Form

College/Institute: Al-Salam University College

Scientific Department: Optics Techniques Department

Academic or Professional Program Name: Bachelor of Optical Technology (Optometrist)

Final Certificate Name: Bachelor's Degree in Optical Techniques

Academic System: Semester / Annual Integrated Courses

Description Preparation Date: 11/9/2025

File Completion Date:/...../2025

Signature: _____
Head of Department:
Asst. Prof. Dr. Shehab Ahmed Kadhim Al-Zubaidi
Date: 11/9/2025
رئيس قسم تقنيات البصريات
أ.م.د. شهاب أحمد كاظم

Signature: _____
Scientific Associate:
Prof. Dr. Sabih Karim Zamil Al-Kinani
Date: _____



Reviewed by: Department of Quality Assurance and University Performance
Director of Quality Assurance and University Performance: _____

Date: 11/9/2025 Signature: _____

Approval of the Dean

Prof. Dr. Abdul Salam Badiwi Youssef

Dean of Al-Salam University College



أ.د. منصور قاسم



1. Program Vision

The Optics Techniques Program at Al-Salam University College seeks to prepare graduates capable of playing an effective, influential role in the health and medical field, meeting community needs and labor-market requirements. This is achieved by qualifying graduates to operate ophthalmic medical equipment, conduct vision examinations, assess and correct strabismus, and prescribe appropriate medical glasses, contact lenses, and ocular or visual prostheses.

2. Program Mission

To prepare highly trained personnel in optical technology and the diagnosis of eye diseases, as well as the manufacture of eyeglasses and contact lenses, so that graduates combine strong theoretical knowledge with practical proficiency in operating the medical equipment used to examine and diagnose vision problems — in line with internationally recognized medical standards for quality assurance and academic accreditation.

3. Program Objectives

The Optics Techniques Department aims to prepare specialized personnel capable of examining vision, determining visual acuity, assessing and correcting strabismus, recommending suitable lenses, and manufacturing optical substitutes. It also prepares graduates to work in lens-fitting workshops for medical glasses and to use medical computing in vision examination and correction — supported by continuous updating of curricula and study plans to keep pace with scientific and practical developments in the field.

Duties and responsibilities of the department's graduates:

- Examining vision and determining visual acuity.
- Correcting vision and assessing/treating strabismus.
- Working in lens-fitting workshops for medical glasses.
- Using computers to conduct and evaluate vision examinations.
- Prescribing medical glasses, contact lenses, and ocular substitutes, and maintaining ophthalmic medical equipment.

Career fields for graduates:

- Working in health institutions affiliated with the Ministry of Health.
- Working in vision examination and correction clinics.
- Working in the medical eyeglass manufacturing industry.
- Operating a range of advanced medical and optical equipment.
- Obtaining membership in the Syndicate of Health Professions.

4. Program Structure

Program Structure	Number of Courses	Credit Hours	Percentage	Reviews
Institution Requirements	-	-	-	-
College Requirements	-	-	-	-
Department Requirements	56	175*	~95%	Basic
Summer Training	2	4	~5%	Basic

Program Structure	Number of Courses	Credit Hours	Percentage	Reviews
Other	-	-	-	-

* The total credit hours above are computed from the estimated hour split shown in the course description tables below and should be formally reconciled with the department's approved study plan before this description is finalized (see the note preceding the course tables).

5. Program Description

The table below lists the program's courses across four academic stages (semester system), with proposed course codes for Al-Salam University College (prefix SUC-OPT), adapted from an original coding scheme issued by an Optics Techniques Department.

Stage One / First Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-101	Anatomy of the Head and Neck	Basic	4	2	4
2	SUC-OPT-102	Principles of Chemistry	Assisting	3	2	2
3	SUC-OPT-103	Medical and Optical Physics 1	Basic	4	2	4
4	SUC-OPT-104	Biology 1	Assisting	3	2	2
5	SUC-OPT-105	Computer Principles	Optional	2	1	2
6	SUC-OPT-106	Human Rights and Democracy	Optional	2	2	0
7	SUC-OPT-107	Medical Terminology	Optional	2	2	0
8	SUC-OPT-108	Arabic Language	Optional	2	2	0
		Total		22	15	14

Stage One / Second Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-111	Anatomy of the Eye	Basic	4	2	4
2	SUC-OPT-112	Biochemistry	Assisting	3	2	2
3	SUC-OPT-113	Medical and Optical Physics 2	Basic	4	2	4
4	SUC-OPT-114	Biology 2	Assisting	3	2	2
5	SUC-OPT-115	Arabic Language	Optional	2	2	0
		Total		16	10	12

Stage Two / First Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-201	Physiology of the Eye and Vision 1	Basic	4	2	4
2	SUC-OPT-202	Optical Equipment 1	Basic	4	2	4
3	SUC-OPT-203	Eye Health 1	Basic	4	2	4
4	SUC-OPT-204	Refractive Errors 1	Basic	4	2	4
5	SUC-OPT-205	Statistical Applications 1	Optional	2	2	0
6	SUC-OPT-206	Crimes of the Ba'ath Regime in Iraq	Optional	2	2	0

No.	Course Code	Course Name	Type	Units	Theory	Practical
7	SUC-OPT-207	Computer Applications	Optional	2	1	2
8	SUC-OPT-208	Medical Terminology 2	Optional	2	2	0
9	SUC-OPT-209	Arabic Language	Optional	2	2	0
		Total		26	17	18

Stage Two / Second Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-211	Physiology of the Eye and Vision 2	Basic	4	2	4
2	SUC-OPT-212	Optical Equipment 2	Basic	4	2	4
3	SUC-OPT-213	Eye Health 2	Basic	4	2	4
4	SUC-OPT-214	Refractive Errors 2	Basic	4	2	4
5	SUC-OPT-215	Statistical Applications 2	Optional	2	2	0
6	SUC-OPT-216	Pharmacology	Basic	3	2	2
7	SUC-OPT-217	Laser in Ophthalmology	Basic	3	2	2
8	SUC-OPT-218	Arabic Language	Optional	2	2	0
		Total		26	16	20

Stage Three / First Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-301	Ocular Manifestation of Systemic Diseases 1	Basic	3	1	3
2	SUC-OPT-302	Prescription Eyeglasses 1	Basic	4	2	4
3	SUC-OPT-303	Squint 1	Basic	4	2	4
4	SUC-OPT-304	Refractive Errors 3	Basic	4	2	4
5	SUC-OPT-305	Optical Equipment 3	Basic	4	2	4
6	SUC-OPT-306	Treatment of Ocular Diseases by Laser	Basic	2	1	2
		Total		21	10	21

Stage Three / Second Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-311	Ocular Manifestation of Systemic Diseases 2	Basic	3	1	3
2	SUC-OPT-312	Prescription Eyeglasses 2	Basic	4	2	4
3	SUC-OPT-313	Squint 2	Basic	3	1	4
4	SUC-OPT-314	Refractive Errors 4	Basic	4	2	4
5	SUC-OPT-315	Optical Equipment 4	Basic	4	2	4
6	SUC-OPT-316	Research Methodology	Assisting	2	2	0
		Total		20	10	19

Stage Four / First Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-401	Eye Diseases 1	Basic	3	3	0
2	SUC-OPT-402	Squint 3	Basic	4	2	4
3	SUC-OPT-403	Optical Technique Workshop 1	Basic	2	0	4
4	SUC-OPT-404	Glasses and Contact Lenses 1	Basic	4	2	4
5	SUC-OPT-405	Ocular Prosthesis 1	Basic	4	2	4
6	SUC-OPT-406	X-ray and Ultrasound of the Eye	Basic	2	1	2
7	SUC-OPT-407	Pediatric Ophthalmology	Basic	2	1	2
		Total		21	11	20

Stage Four / Second Semester

No.	Course Code	Course Name	Type	Units	Theory	Practical
1	SUC-OPT-411	Eye Diseases 2	Basic	3	3	0
2	SUC-OPT-412	Squint 4	Basic	4	2	4
3	SUC-OPT-413	Glasses and Contact Lenses 2	Basic	4	2	4
4	SUC-OPT-414	Ocular Prosthesis 2	Basic	4	2	4
5	SUC-OPT-415	Optical Technique Workshop 2	Basic	2	0	4
6	SUC-OPT-416	Professional Ethics	Optional	2	2	0
7	SUC-OPT-417	Graduation Project	Basic	4	2	4
		Total		23	13	20

6. Expected Learning Outcomes of the Program

A. Knowledge

- Explains the anatomical and physiological basis of the visual system.
- Describes the optical principles of lenses, refraction, and correction of visual defects.
- Distinguishes between common eye diseases and their preliminary examination methods.
- Identifies types of medical lenses and glasses and how they are designed to suit patient needs.
- Identifies the standard criteria for vision tests and optical examinations.
- Knows the procedures for preventing eye infections.

B. Skills

- Conducts vision tests using modern optical devices and techniques.
- Selects appropriate lenses according to the type of visual defect and diagnosis.
- Fits glasses and vision-correction aids precisely, according to correct measurements.
- Uses optical software to document and analyze examinations.
- Accurately documents examination results.

C. Ethics and Professional Values

- Maintains patient data confidentiality and respects privacy during examination.
- Demonstrates professional conduct that reflects precision and courtesy with patients.
- Works collaboratively as part of a team with other medical staff.
- Commits to continuous self-development to keep pace with optical examination techniques.

7. Teaching and Learning Strategies

- Interactive lectures and presentations explaining the anatomical, physiological, and optical principles.
- Problem-Based Learning (PBL) to analyze simple clinical cases.
- Multimedia and clinical simulation.
- Hands-on training in optical laboratories and lens-fitting workshops.
- Case-Based Learning and collaborative learning.
- Field visits and summer training in optical clinics and centers.

8. Evaluation Methods

First: Knowledge Outcomes

- Written examinations (semester and final): essay, multiple-choice (MCQ), true/false.
- Quizzes, assignments, and theoretical reports.

Second: Skill Outcomes

- Practical/procedural examinations (OSCE/OSPE) and direct observation during training.
- Practical and clinical reports and case studies.

Third: Value Outcomes

- Direct observation, behavioral rubrics, self-assessment, and peer assessment.

9. Faculty

No.	Name	Academic Rank	General Specialization	Special Specialization	Staff / Lecturer
1	Shihab Ahmed Kadhim	Asst. Prof. Dr.	Applied Sciences	Laser and Electro-Optics	Staff
2	Majeed Ali Fahad	Asst. Prof. Dr.	Veterinary Medicine and Surgery	Histopathology	Staff
3	Adel Ahmed Hamza	Assistant Lecturer	Financial Sciences	Public Finance	Staff
4	Israa Hameed Ahmed	Assistant Lecturer	Physical Sciences	MRI Techniques	Staff
5	Nada Abdul Kareem Mohammed	Assistant Lecturer	Genetic Engineering and Biotechnology	Biotechnology Genetics	Staff
6	Alaa Ahmed Mohsen	Assistant Lecturer	Life Sciences	Genetics	Staff
7	Shihab Hussein Shihab Shjairi	Dr.	Community Medicine	Community Medicine	Lecturer
8	Sara Mishaal Ziyad	Dr.	Family and Community Medicine	Diploma in Physiology	Lecturer
9	Qabas Nusrat Shaker	Dr.	General Medicine	Family Medicine	Lecturer
10	Murtadha Faiz Sultan Saleh	Dr.	Physics	Electro-Optics	Lecturer
11	Noor Khamis Hamad Mohammed	Assistant Lecturer	Optics Techniques	Strabismus (Squint)	Lecturer
12	Muhaymen Samir	Assistant	Optics Techniques	Optics Techniques	Lecturer

No.	Name	Academic Rank	General Specialization	Special Specialization	Staff / Lecturer
	Aref	Lecturer			
13	Ali Hassan Khalil	Assistant Lecturer	Optics Techniques	Strabismus (Squint)	Lecturer
14	Hassan Qahtan Kadhim	Assistant Lecturer	Optics Techniques	Optics Techniques	Lecturer
15	Ahmed Mohammed Nouri Mohammed	Assistant Lecturer	Optics	Optics Techniques	Lecturer
16	Safaa Dhiaa Saad	Assistant Lecturer	Optics Techniques	Strabismus (Squint)	Lecturer
17	Noor Thamer Mohammed	Assistant Lecturer	Laser Engineering	Optical Electronics Engineering	Lecturer
18	Rafal Laith Taher Abdul Qadir	Assistant Lecturer	Statistical Sciences	Statistics	Lecturer
19	Zikrayat Abbas Jawad	Assistant Lecturer	Computer and Communications Engineering	Informatics	Lecturer
20	Dhiaa Tawfiq Hajim	Assistant Lecturer	Law	Private Law	Lecturer
21	Ahmed Ali Hussein	Assistant Lecturer	English Language	English Literature	Lecturer

Professional Development

- An orientation program introducing new faculty to institutional policies and procedures, paired with experienced mentors.
- Regular workshops on teaching methods, assessment, and research techniques.
- Encouraging participation in conferences, seminars, and research projects to support professional growth.

10. Acceptance Criterion

Graduates of the preparatory school scientific (biology) branch with an average of 70% or higher are admitted to the Optics Techniques Department at Al-Salam University College, in accordance with central and parallel admission regulations.

11. Most Important Sources of Information about the Program

- Core textbooks in physical optics and lens science.
- References on eye diseases, optical examinations, and applied optics.
- Peer-reviewed journals and specialized ophthalmology periodicals.
- Electronic medical databases such as PubMed and ScienceDirect.
- The university library, student guide, and ministerial examination regulations.
- Department laboratories (lens laboratory, optical examination laboratory) and teaching clinics.

12. Program Development Plan

Developing the Optics Techniques Program at Al-Salam University College requires a comprehensive analysis of educational objectives, curriculum, training methods, and the technical tools used. The

purpose of this plan is to improve program quality and ensure its effectiveness in preparing students to provide accurate, high-quality vision-care services. The plan comprises the following main pillars:

1. Analyzing the Current Situation and Identifying Needs

Objectives:

- Identifying gaps: understanding current gaps in program content and the technologies used.
- Training needs: assessing whether the program meets current students' needs.
- Performance evaluation: reviewing previous evaluation results to gauge the program's effectiveness in achieving the required learning outcomes.

Actions:

- Conducting surveys or interviews with students and faculty to identify current challenges.
- Reviewing previous evaluation reports, including feedback notes.
- Comparing the current curriculum with the latest trends in optics.

2. Curriculum Update

Objectives:

- Updating content to align with the latest vision-examination technologies.
- Adding new topics that keep pace with medical developments and labor-market needs.

Actions:

- Reviewing tools and technologies: introducing modern devices such as corneal topography and intraocular pressure measurement.
- Focusing on common conditions: adding modules on glaucoma, macular degeneration, and diabetic retinopathy.
- Introducing new topics: such as pediatric vision screening and the effect of systemic diseases (e.g., diabetes, hypertension) on vision.

3. Enhancing Teaching and Training Methods

Objectives:

- Improving the effectiveness of training methods by combining traditional teaching with modern techniques.
- Ensuring students gain an appropriate balance of practical and theoretical experience.

Actions:

- Leveraging technology: using simulation and virtual reality to train students in eye examination within a safe, controlled environment.
- Interactive learning: incorporating group discussions, live case studies, and review of real case reports.
- Hands-on training: organizing workshops and practical labs allowing students to practice examinations on real equipment under specialist supervision.

4. Developing Assessment and Feedback Skills

Objectives:

- Improving assessment effectiveness to ensure accurate measurement of acquired skills.
- Providing comprehensive feedback that supports student development.

Actions:

- Continuous assessment: improving ongoing assessment methods, such as practical and theoretical tests, and using case-based assessment techniques.
- Direct feedback: providing immediate feedback after practical evaluations to support performance improvement.
- Peer assessment: incorporating assessment by classmates or groups as part of collaborative learning.

5. Improving Technical Aspects

Objectives:

- Updating the equipment and software used in the program to provide a modern learning environment.
- Ensuring the necessary tools are available to deliver effective training.

Actions:

- Updating equipment: purchasing modern examination devices such as intraocular pressure tonometers and digital visual acuity measures.
- Keeping pace with technical developments: introducing software that helps analyze examination results faster and more accurately.
- Using applications: providing mobile applications to train students in eye-examination methods and vision-measurement tools.

6. Upgrading Faculty Training Capacity

Objectives:

- Developing faculty members' skills in using modern techniques and improving teaching methods.

Actions:

- Faculty training programs: offering workshops on how to use modern tools and advanced teaching methods.
- Motivating continuous learning: encouraging faculty to keep pace with research and developments in optics.

7. Increasing Cooperation with Specialized Institutions

Objectives:

- Strengthening partnerships with health and educational institutions to improve program quality.

Actions:

- Partnerships with hospitals and medical centers: cooperating with eye hospitals and vision centers to provide practical training opportunities for students.
- Cooperation with universities and research centers: hosting joint seminars and workshops with universities and research centers in optics to exchange expertise.

8. Evaluating Performance after Updates

Objectives:

- Measuring the effectiveness of updates introduced into the program.

Actions:

- Conducting opinion surveys with students and program supervisors after updates are applied, to measure satisfaction and the impact of changes on performance.
- Comparing post-update assessment results with prior benchmarks to confirm the improvements were effective.

9. Keeping Pace with Future Developments

Objectives:

- Ensuring the program's sustained development in the future to keep pace with innovations in vision examination.

Actions:

- Periodic content review: dedicating time each year to review program content to ensure it keeps pace with recent developments.
- Introducing future technologies: exploring the latest technologies, such as artificial intelligence, that could be integrated into vision examinations.

Conclusion

Through this plan, the Optics Techniques Program at Al-Salam University College will become more effective in preparing eye-examination specialists. Continuous content updates, improved teaching methods, and technical development will together improve training quality and equip students with the skills and knowledge needed to provide accurate, reliable vision examinations.

13. Program Skills Outline (Course-to-Outcome Mapping)

The table below maps each course to the required program learning outcomes: A1-A4 (Knowledge), B1-B4 (Skills), and C1-C4 (Ethics/Values), corresponding to the numbering in Section 6 above. A check (✓) indicates that the course contributes to that outcome.

Program Skills Outline															
Year/Level	Course Code	Course Name	Basic or optional	Required Program Learning Outcomes											
				Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Stage One First Semester	SUC-OPT-101	Anatomy of the Head and Neck	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-102	Principles of Chemistry	Assisting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-103	Medical and Optical Physics 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-104	Biology 1	Assisting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-105	Computer Principles	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-106	Human Rights and Democracy	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-107	Medical Terminology	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-108	Arabic Language	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage One Second Semester	SUC-OPT-111	Anatomy of the Eye	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-112	Biochemistry	Assisting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-113	Medical and Optical Physics 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-114	Biology 2	Assisting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-115	Arabic Language	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Two First Semester	SUC-OPT-201	Physiology of the Eye and Vision 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-202	Optical Equipment 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-203	Eye Health 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-204	Refractive Errors 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-205	Statistical Applications 1	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-206	Crimes of the Ba'ath Regime in Iraq	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-207	Computer Applications	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-208	Medical Terminology 2	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-209	Arabic Language	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Two	SUC-OPT-211	Physiology of the Eye and Vision 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Program Skills Outline															
Year/Level	Course Code	Course Name	Basic or optional	Required Program Learning Outcomes											
				Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Second Semester	SUC-OPT-212	Optical Equipment 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-213	Eye Health 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-214	Refractive Errors 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-215	Statistical Applications 2	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-216	Pharmacology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-217	Laser in Ophthalmology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-218	Arabic Language	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Three First Semester	SUC-OPT-301	Ocular Manifestation of Systemic Diseases 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-302	Prescription Eyeglasses 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-303	Squint 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-304	Refractive Errors 3	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-305	Optical Equipment 3	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-306	Treatment of Ocular Diseases by Laser	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Three Second Semester	SUC-OPT-311	Ocular Manifestation of Systemic Diseases 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-312	Prescription Eyeglasses 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-313	Squint 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-314	Refractive Errors 4	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-315	Optical Equipment 4	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-316	Research Methodology	Assisting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Four First Semester	SUC-OPT-401	Eye Diseases 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-402	Squint 3	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-403	Optical Technique Workshop 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-404	Glasses and Contact Lenses 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-405	Ocular Prosthesis 1	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-406	X-ray and Ultrasound of the Eye	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-407	Pediatric Ophthalmology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stage Four Second Semester	SUC-OPT-411	Eye Diseases 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-412	Squint 4	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Program Skills Outline															
Year/Level	Course Code	Course Name	Basic or optional	Required Program Learning Outcomes											
				Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	SUC-OPT-413	Glasses and Contact Lenses 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-414	Ocular Prosthesis 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-415	Optical Technique Workshop 2	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-416	Professional Ethics	Optional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SUC-OPT-417	Graduation Project	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓