

Doctor of Optometry

2015-2020

YEAR I SEMESTER I

Degree (175 credit hours)

| Course Code | Course Title | Credit Hours |
|-------------|---|--------------|
| AN-111 | Human Anatomy & Histology(cell biology) | 4(3-1) |
| PY-112 | General Physiology | 4(3-1) |
| BIO-113 | Biochemistry/Genomics | 4(3-1) |
| OPT-115 | Primary Eye Care | 1(1-0) |
| ENG-114 | English-1 | 3(3-0) |
| SOC-115 | Pakistan Studies | 2(2-0) |
| | Total | 18 |

YEAR I SEMESTER II

| Course Code | Course Title | Credit Hours |
|-------------|---------------------------------|--------------|
| PAT-121 | General Pathology | 3(3-0) |
| OPH-122 | General and Ocular Pharmacology | 4(4-0) |
| AN-123 | Ocular Anatomy | 3(3-0) |
| PY-124 | Ocular Physiology | 3(3-0) |
| OP-125 | Screening Observations | 3(3-0) |
| PS-126 | Islamic Studies | 2(2-0) |
| ENG-127 | English-II | 3(3-0) |
| | Total | 21 |

YEAR II SEMESTER III

| Course Code | Course Title | Credit Hours |
|-------------|---------------------------|--------------|
| CM-211 | Community Medicine | 2(2-0) |
| MED-212 | Clinical medicine | 3(3-0) |
| OP-213 | Optics – I | 3(3-0) |
| VS-214 | Vision Sciences | 3(2-1) |
| OP-215 | Ocular Disease Basics – I | 3(3-0) |
| ENG-216 | English III | 3(3-0) |

| | | |
|--------------|---------------------------|-----------|
| IT-226 | Introduction to Computers | 3(2-1) |
| Total | | 20 |

YEAR II SEMESTER IV

| Course Code | Course Title | Credit Hours |
|--------------|---------------------------|--------------|
| OP-221 | Optometric Procedures-I | 3(2-1) |
| OP-222 | Ophthalmic Nursing | 1(1-0) |
| OP-223 | Ocular Disease Basic - II | 3(3-0) |
| OP-224 | Optics-II | 3(3-0) |
| OP-225 | Refraction | 3(1-2) |
| OP-226 | Mathematics for Optometry | 2(2-0) |
| BS-227 | Behavioral Sciences | 2(2-0) |
| Total | | 17 |

YEAR III SEMESTER V

| Course Code | Course Title | Credit Hours |
|--------------|--|--------------|
| SR-311 | Fundamentals of Surgery | 3(3-0) |
| VS-312 | Ophthalmic Dispensing I | 3(2-1) |
| OP-313 | Strabismus | 2(2-0) |
| OP-314 | Optometric Procedures II (instrumentation) | 3(2-1) |
| OP-315 | Advance Ocular Diseases I | 3(3-0) |
| OP-316 | Advance Refraction and visual functions | 3(2-1) |
| ME-317 | Medical Ethics | 1(1-0) |
| OP-318 | Clinical Practice | 1(0-1) |
| Total | | 19 |

YEAR III SEMESTER VI

| Course Code | Course Title | Credit Hours |
|--------------|--|--------------|
| VS-321 | Ophthalmic Dispensing II | 3(3-0) |
| VS-322 | Contact lens I | 2(2-0) |
| VS-323 | Low vision I | 2(2-0) |
| OP-324 | BSV and Orthoptic techniques (amblyopia) | 3(3-0) |
| OP-325 | Pediatric Optometry | 3(2-1) |
| OP-326 | Clinical Practice | 3(0-3) |
| ST-327 | Applied Statistics for Optometrists | 2(2-0) |
| Total | | 18 |

YEAR IV SEMESTER VII

| Course Code | Course Title | Credit Hours |
|--------------------|---|---------------------|
| VS-411 | Low Vision rehabilitation and Geriatrics | 3(3-0) |
| OP-412 | Introduction to Neuro-Ophthalmology | 2(2-0) |
| VS-413 | Contact Lens II | 2(2-0) |
| DI-416 | Diagnostic instrument cases | 2(2-0) |
| OP-415 | Public Health Optometry | 2(2-0) |
| OP-414 | Clinical Practice (Contact Lens) | 4(0-4) |
| OP-417 | Advance Ocular Diseases-II | 2(2-0) |
| CP-411 | Clinical Practice (Advance Refraction and Low Vision) | 2(0-2) |
| Total | | 18 |

YEAR IV SEMESTER VIII

| Course Code | Course Title | Credit Hours |
|--------------------|--|---------------------|
| OP-421 | Clinical Reasoning and Diagnostic Procedures | 2(2-0) |
| OP-422 | Clinical Problem Solving | 2(2-0) |
| OP-423 | Phrama management of Ocular Diseases (Ocular Pharmacology) | 2(2-0) |
| OP-424 | Clinical Practice | 4(0-4) |
| OP-425 | Basic & Advance Ocular diseases | 2(2-0) |
| Total | | 12 |

YEAR V SEMESTER IX

| Course Code | Course Title | Credit Hours |
|--------------------|--|---------------------|
| OP-511 | Clinical Rotations I(Refraction, screening and Pediatric care) | 6(0-6) |
| OP-512 | Clinical Rotations II (Contact Lens, dispensing, low vision) | 6(0-6) |
| OP-513 | Clinical Rotations III (Diagnostic & Paeds & Ophthalmology clinic) | 6(0-6) |
| Total | | 18 |

YEAR V SEMESTER X

| Course Code | Course Title | Credit Hours |
|--------------------|---|---------------------|
| OP-524 | Clinical Rotation IV (General Ophthalmology) | 6(0-6) |
| OP-525 | Minor OT Procedures | 2(1-1) |
| PROJ-526 | Research Project | 6(0-6) |
| | Total | 14 |