**Mangalayatan University**

**Beswan, Aligarh–202145**

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**Curriculum**

B.Voc in Optometry

**Institute of Vocational Studies**

**2022**

**TotalProgramCreditsforB.Voc**

|  |  |  |
| --- | --- | --- |
| **S.N.** | **Semester** | **Credits** |
| **1** | **I** | **24** |
| **2** | **II** | **30** |
| **3** | **III** | **28** |
| **4** | **IV** | **30** |
| **5** | **V** | **28** |
| **6** | **VI** | **20** |
| **Total** | | **160** |

**InductionProgram**

ConductionofinductionprogramasperUGC/RegulatoryBody‘sguideline.

**CourseStructure**

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| --- | --- | --- | --- | --- |
| **I – Year** | | | | |
| **Semester-I** | | | | |
| **S. No.** | **Course Code** | **Course Title** | **Course Type** | **Credits** |
| 1 | BVOCOP-101 | Functional English | General Academic Component | 4 |
| 2 | BVOCOP-102 | General Anatomy & Physiology | General Academic Component | 4 |
| 3 | BVOCOP-103 | Physical Optics | General Academic Component | 4 |
| 4 | BVOCOP-104 | Microbiology & Pharmacology | Skill Development Component | 4 |
| 5 | BVOCOP-105 | General Anatomy & Physiology- Practical | Skill Development Component | 4 |
| 6 | BVOCOP-106 | Microbiology & Pharmacology - Practical | Skill Development Component | 4 |
| **Total Credits** | | | | 24 |

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| **Semester-II** | | | | | | | | |
| **S. No.** | | **Course Code** | | **Course Title** | | **Course Type** | **Credits** | |
| 1 | | BVOCOP-201 | | Basics of Computers | | General Academic Component | 4 | |
| 2 | | BVOCOP-202 | | Ocular Anatomy & Physiology | | General Academic Component | 4 | |
| 3 | | BVOCOP-203 | | Geometrical Optics | | General Academic Component | 4 | |
| 4 | | BVOCOP-204 | | Biochemistry | | Skill Development Component | 4 | |
| 5 | | BVOCOP-205 | | Ocular Anatomy & Physiology-Practical | | Skill Development Component | 4 | |
| 6 | | BVOCOP-206 | | Research Methodology & Biostatistics | | Skill Development Component | 4 | |
| 7 | | BVOCOP-207 | | Internship/Project | | Skill Development Component | 6 | |
| **Total Credits** | | | | | | | 30 | |
| **Exit Option- Diploma in Optometry** | | | | | | | | |
| **II-Year** | | | | | | | | | | |
| **Semester-III** | | | | | | | | | | |
| **S. No.** | | **Course Code** | | **Course Title** | | **Course Type** | | | **Credits** | |
| 1 | | BVOCOP-301 | | Professional Communication | | General Academic Component | | | 4 | |
| 2 | | BVOCOP-302 | | Ocular Disease | | General Academic Component | | | 4 | |
| 3 | | BVOCOP-303 | | Clinical Refraction | | General Academic Component | | | 4 | |
| 4 | | BVOCOP-304 | | Pathology & Immunology (General & Ocular) | | Skill Development Component | | | 4 | |
| 5 | | BVOCOP-305 | | Ophthalmic Instrumentation & Procedure | | Skill Development Component | | | 4 | |
| 6 | | BVOCOP-306 | | Pathology & Immunology –Practical | | Skill Development Component | | | 4 | |
| 7 | | BVOCOP-307 | | Ophthalmic Instrumentation-Practical | | Skill Development Component | | | 4 | |
| **Total Credits** | | | | | | | | | 28 | |

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| **Semester-IV** | | | | |
| **S. No.** | **Course Code** | **Course Title** | **Course Type** | **Credits** |
| 1 | BVOCOP-401 | Environmental Science | General Academic Component | 4 |
| 2 | BVOCOP-402 | Community Optometry | General Academic Component | 4 |
| 3 | BVOCOP-403 | Visual Optics | General Academic Component | 4 |
| 4 | BVOCOP-404 | Dispensing Optics | Skill Development Component | 4 |
| 5 | BVOCOP-405 | Dispensing Optics-Practical | Skill Development Component | 4 |
| 6 | BVOCOP-406 | Medical Law & Ethics | Skill Development Component | 4 |
| 7 | BVOCOP-407 | Internship/ Project | Skill Development Component | 6 |
| **Total Credits** | | | | 30 |

**Exit Option-Advance Diploma in Optometry**

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| **III – Year** | | | | |
| **Semester-V** | | | | |
| **S. No.** | **Course Code** | **Course Title** | **Course Type** | **Credits** |
| 1 | BVOCOP-501 | Nutrition | General Academic Component | 4 |
| 2 | BVOCOP-502 | Geriatric & Pediatric Optometry | General Academic Component | 4 |
| 3 | BVOCOP-503 | Contact Lens | General Academic Component | 4 |
| 4 | BVOCOP-504 | Binocular Vision | General Academic Component | 4 |
| 5 | BVOCOP-505 | Low Vision Aid & Visual Rehabilitation | Skill Development Component | 4 |
| 6 | BVOCOP-506 | Contact Lens & Binocular Vision-Practical | Skill Development Component | 4 |
| 7 | BVOCOP-507 | Low Vision & Geriatric Pediatric Optometry –Practical | Skill Development Component | 4 |
| **Total Credits** | | | | 28 |

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| **Semester-VI** | | | | |
| **S. No.** | **Course Code** | **Course Title** | **Course Type** | **Credits** |
| 1 | BVOCOP-601 | INTERNSHIP | Skill Development Component | 10 |
| 2 | BVOCOP-602 | RESEARCH PROJECT | Skill Development Component | 10 |
| **Total Credits** | | | | 20 |