# FACULTY OF CONSTRUCTION

BACHELOR’S DEGREE

PART-TIMESTUDIES

## Group ՀՇ 90

### 1st year, 2nd semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Armenian political history | 1 |  | √ |  |  |
| 2 | Armenian language and speech culture | 2 |  | √ |  |  |
| 3 | Russian language | 2 |  | √ |  |  |
| 4 | Higher mathematics | 5 |  |  | √ |  |
| 5 | Physics | 4 |  | √ |  | Replaced by  quiz |
| 6 | Chemistry in construction | 4 |  | √ |  | Replaced by  quiz |
| 7 | Constructional drawing | 4 |  | √ |  |  |
| 8 | Construction materials | 2 |  |  | √ |  |

2nd year 2nd semester

Groups ՀՇ 80-1, 80-2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Foreign language | 2 |  | √ |  |  |
| 2 | Engineering geology | 2 |  | √ |  |  |
| 3 | Theoretical mechanics | 4 |  | √ |  | Replaced by  quiz |
| 4 | Strength of materials | 5 |  |  | √ |  |
| 5 | Construction machines | 4 |  |  | √ |  |
| 6 | Water supply and water disposal | 3 |  | √ |  | Replaced by  quiz |
| 7 | Power supply | 3 |  | √ |  |  |

### 3rd year, 2nd semester

## Group ՀՇ 71

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Architecture of buildings and facilities | 5 | AYP |  | √ |  |
| 2 | Construction machines | 4 |  | √ |  | Replaced by  quiz |
| 3 | Soil mechanics, foundations and ground bases | 3 | TP | √ |  |  |
| 4 | Modern construction materials | 4 |  | √ |  |  |
| 5 | Metal structures | 6 |  |  | √ |  |
| 6 | Reinforced concrete structures | 3 |  |  | √ |  |

## 3rd year, 2nd semester

## Group ՀՇ 72

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Architecture of buildings and facilities | 4 | TP removed | √ |  | Replaced by  quiz |
| 2 | Construction machines | 4 |  | √ |  | Replaced by  quiz |
| 3 | Soil mechanics, foundations and ground bases | 2 |  | √ |  |  |
| 4 | Modern construction materials | 4 |  | √ |  |  |
| 5 | Metal structures and welding | 2 |  | √ |  | Replaced by  quiz |
| 6 | Reinforced concrete structures | 4 | TP |  | √ |  |
| 7 | Technology of preparation of concrete and reinforced concrete articles | 4 | TP |  | √ |  |

## 3rd year, 2nd semester

## Group ՀՇ 73

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Hydraulic engineering | 4 |  | √ |  | Replaced by  quiz |
| 2 | Metal structures | 1 |  | √ |  |  |
| 3 | Construction machines | 4 |  |  | √ |  |
| 4 | Soil mechanics, foundations and ground bases | 3 | TP | √ |  |  |
| 5 | Water supply and water treatment | 4 | TP |  | √ |  |
| 6 | Turbines and pumps | 2 |  | √ |  |  |
| 7 | Hydraulic structure | 3 |  | √ |  |  |
| 8 | Geodesy in construction of water management systems | 2 |  | √ |  | Replaced by  quiz |
| 9 | Water disposal and wastewater treatment | 2 |  | √ |  |  |

## 3rd year, 2nd semester

## Group ՀՇ 74

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Cartography | 4 |  | √ |  | Replaced by  quiz |
| 2 | Aerial geodesy | 5 | AYP |  | √ |  |
| 3 | Masonry, metal and wooden structures | 2 |  | √ |  |  |
| 4 | Gravimetry | 2 |  | √ |  |  |
| 5 | Geodesic instrumentation | 3 |  | √ |  |  |
| 6 | Engineering geodesy | 5 | AYP |  | √ |  |
| 7 | Applied geodesy | 4 |  | √ |  | Replaced by  quiz |

## 3rd year, 2nd semester

## Group ՀՇ 79

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Construction machines | 4 |  |  | √ |  |
| 2 | Hydrology and hydrometry | 4 |  | √ |  |  |
| 3 | Soil mechanics, foundations and ground bases | 3 | TP | √ |  |  |
| 4 | Metal, wooden and plastic structures | 4 |  | √ |  | Replaced by  quiz |
| 5 | Reinforced concrete structures | 2 |  | √ |  |  |
| 6 | Hydraulic engineering | 2 |  |  | √ |  |
| 7 | Geodesy in transport road construction | 2 |  | √ |  |  |
| 8 | Railways | 4 |  | √ |  |  |

## 4th year, 2nd semester

## Group ՀՇ 61

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | RC structures | 8 | AYP |  | √ |  |
| 2 | Construction technology | 4 | AYP |  | √ |  |
| 3 | Organization of construction | 5 | TP replaced by CGW\* | √ |  | Replaced by  quiz |
| 4 | Metal structures | 7 | AYP replaced by CGW\* | √ |  | Replaced by  quiz |
| 5 | Modeling and calculation of construction structures | 2 |  | √ |  | Replaced by  quiz |

\*CGW – Computational-graphic work

## 4th year, 2nd semester

## Group ՀՇ 62

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Masonry structures | 2 |  | √ |  | Replaced by  quiz |
| 2 | Adhesive materials | 3 |  | √ |  |  |
| 3 | Technology of natural and artificial additives | 3 |  | √ |  |  |
| 4 | Production technology of concrete and reinforced concrete articles | 3 |  | √ |  |  |
| 5 | Construction technology | 4 | AYP |  | √ |  |
| 6 | Organization of construction | 5 | TP |  | √ |  |
| 7 | Design concepts of construction industry enterprises | 2 |  | √ |  |  |
| 8 | Production of insulation construction materials and articles | 4 |  | √ |  |  |

## 4th year, 2nd semester

## Group ՀՇ 63

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Water supply and water treatment | 4 | AYP replaced by CGW\* | √ |  | Replaced by  quiz |
| 2 | Water chemistry | 4 |  | √ |  | Replaced by  quiz |
| 3 | Organization and management of construction works | 3 |  | √ |  |  |
| 4 | Hydraulic structures | 4 | TP replaced by CGW\* | √ |  | Replaced by  quiz |
| 5 | Water disposal and wastewater treatment | 3 | TP |  | √ |  |
| 6 | Pumping and air compression stations | 4 | TP |  | √ |  |
| 7 | Construction and mounting of hydraulic structures | 1 |  | √ |  |  |
| 8 | Construction and mounting of WW structures | 1 |  | √ |  |  |
| 9 | Judicial system of the sector | 1 |  | √ |  |  |

## 4th year, 2nd semester

## Group ՀՇ 64

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Applied geodesy | 4 |  | √ |  |  |
| 2 | Technology of cadastral works | 3 |  | √ |  | Replaced by  quiz |
| 3 | 3D scanning and data processing | 4 | AYP |  | √ |  |
| 4 | Geodetic astronomy | 1 |  | √ |  |  |
| 5 | Cosmic and satellite geodesy | 2 |  | √ |  |  |
| 6 | Legal regulation of land relations | 2 |  | √ |  |  |
| 7 | Land and city cadastre | 4 | TP |  | √ |  |
| 8 | Evaluation of real estate | 3 |  | √ |  |  |

## 4th year, 2nd semester

## Group ՀՇ 69

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Construction of bridges | 2 |  | √ |  |  |
| 2 | Operation and rehabilitation of bridges | 2 | TP |  | √ |  |
| 3 | Design of bridges and artificial structures | 3 |  | √ |  |  |
| 4 | Transportation tunnels and subway | 3 |  | √ |  | Replaced by  quiz |
| 5 | Airports | 1 |  | √ |  | Replaced by  quiz |
| 6 | Organization and management of transport construction | 3 |  | √ |  |  |
| 7 | Automatic systems of motorway design | 3 |  | √ |  |  |
| 8 | Operation of motorways | 2 |  | √ |  | Replaced by  quiz |
| 9 | Designing of motorways | 4 | TP |  | √ |  |
| 10 | Motorways construction technology | 3 | TP |  | √ |  |

MASTER’S DEGREE

PART-TIMESTUDIES

### 1st year 2nd semester

## Group ՀՇՄ 91

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N | Subject | Credit | AYP, TP | Quiz | Exam | Notes |
| 1 | Basics of calculation and engineering methods of modern construction structures | 2 |  |  | √ |  |
| 2 | Individual master courses with the manager for preparation of graduation project | 9 | AYP |  | √ |  |
| 2 | Foreign language | 2 |  | √ |  |  |
| 3 | Analysis of bearing systems of buildings | 3 |  | √ |  |  |
| 4 | Reconstruction of buildings and facilities | 3 |  | √ |  | Replaced by  quiz |
| 5 | Economic issues of construction and cost estimation | 3 | TP | √ |  |  |