# 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 byquiz  |
| 6  | Chemistry in construction  | 4  |   | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 4  | Strength of materials | 5  |   |   | √  |   |
| 5  | Construction machines  | 4  |   |   | √  |   |
| 6  | Water supply and water disposal | 3  |   | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 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 byquiz  |
| 2  | Construction machines  | 4  |    | √  |   | Replaced byquiz  |
| 3  | Soil mechanics, foundations and ground bases  | 2  |   | √  |   |   |
| 4  | Modern construction materials  | 4  |   | √  |    |   |
| 5  | Metal structures and welding  | 2  |   | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 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 byquiz  |
| 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 byquiz  |
| 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 byquiz  |

##  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 byquiz  |
| 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 byquiz  |
| 4  | Metal structures  | 7  | AYP replaced by CGW\* | √  |   | Replaced byquiz  |
| 5  | Modeling and calculation of construction structures | 2  |   | √  |   | Replaced byquiz  |

 \*CGW – Computational-graphic work

## 4th year, 2nd semester

## Group ՀՇ 62

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N  | Subject  | Credit | AYP, TP  | Quiz | Exam  | Notes  |
| 1  | Masonry structures | 2  |   | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 2  | Water chemistry  | 4  |   | √  |   | Replaced byquiz  |
| 3  | Organization and management of construction works | 3  |   | √  |   |   |
| 4  | Hydraulic structures  | 4  | TP replaced by CGW\* | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 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 byquiz  |
| 5  | Airports | 1  |   | √  |   | Replaced byquiz  |
| 6  | Organization and management of transport construction | 3  |   | √  |   |   |
| 7  | Automatic systems of motorway design | 3  |   | √  |   |   |
| 8  | Operation of motorways | 2  |   | √  |   | Replaced byquiz  |
| 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 byquiz  |
| 5  | Economic issues of construction and cost estimation | 3  | TP  | √  |   |   |