**B.Sc.(Hons) COMPUTER SCIENCE**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept |
| **COMPS 111** | Intro. to Computers and Applications 1 | 2 (P) | Harvey |
| **COMPS 112** | Intro. to Computer Programming | 2 | A. Nyelenkeh |
| **STAT1 111** | Statistics for Information Technology | 3 | T. Mattia |
| **TMATH 111** | General Mathematics I | 3 | M. Abu |
| **PHYS 111** | General Physics I | 3 (P) | M. Abu/ T. Mattia |
| **STS 110** | Science, Technology and Society | 2 | M. Jalloh / M.S. Fofanah/J.S-Kamara |
| **SUB-TOTAL** |  | **17** |  |
| **SECOND YEAR** | | | |
| **ENGL 211** | English Language | 2 | Engl. Dept |
| **COMPS 216** | Data Structure and Algorithms | 3 | Y.L.Kamara |
| **COMPS 217** | Computer Operating System | 2 (CH) 1(P) | Y.L.Kamara / F Manna(P) |
| **COMPS 218** | Computer Programming with C++ | 2(CH) 1 (P) | A Kallon/F Manna (P) |
| **COMPS 219** | Intro to Database Management using Access | 2(CH) 1 (P) | Harvey |
| **STAT 212** | Data Analysis & Statistical Packages | 2(CH) 1 (P) | A Kamara |
| **TMATH 221** | Technical Mathematics | 3(P) | Abu |
| **SUB-TOTAL** |  | **20** |  |
| **THIRD YEAR** | | | |
| **EED 311** | Entrepreneurship | 3 | J Kollie |
| **COMPS 3116** | Programming with VB.NET | 2(CH) 1 (P) | A.Kallon/ F Manna |
| **COMPS 3117** | Advanced Database Management-ACCESS | 2(CH) 1 (P) | Harvey |
| **COMPS 3118** | Artificial Intelligence | 3 | F. M. Kallon |
| **COMPS 3119** | Computer Architecture and Organisation | 3 | Y.L. Kamara |
| **BIT 319** | Management Information Systems | 3 | A Kamara |
| **COMPS 3120** | O-O Programming using C++ | 2(CH) 1 (P) | A Kallon |
| **COMPS 3121** | Mobile Computing | 2(CH) 1 (P) | M Sesay/F Manna |
| **SUB-TOTAL** |  | **24** |  |
| **FOURTH YEAR** | | | |
| **COMPS 401** | Network Administration and Troubleshooting | 2(CH) 1 (P) | Instructor/ Patrick(P) |
| **COMPS 411** | Multimedia Technology | 3 | A Kallon |
| **COMPS 421** | Project Design and Management | 3 | M.S. Fofanah |
| **COMPS 4129** | Mobile Computing and APP Development | 2(CH) 1 (P) | M Sesay/F Manna |
| **COMPS 441** | Professional, Ethical and Legal Issues in IT | 3 | F M Kallon |
| **COMPS 451** | Advance VB.NET | 2(CH) 1 (P) | A.Kallon/ F Manna |
| **COMPS 461** | Web and Internet Technologies II | 3 | A Kallon/ F Manna |
| **COMPS 4130** | Computer and Network Security | 3 | F. M. Kallon |
| **SUB-TOTAL** |  | **24** |  |

**B.Sc.(Hons) BUSINESS AND INFORMATION TECHNOLOGY**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept |
| **COMPS 111** | Intro. to Computers and Applications 1 | 2 | Harvey |
| **COMPS 112** | Intro. to Computer Programming | 2 | A.Nyelenkeh |
| **BIT 111** | Principles of Economics | 3 | Agric. Dept |
| **STAT 111** | Statistics for Information Technology | 2 | T. Mattia |
| **MATH 111** | General Mathematics 1 | 3 | M. Abu |
| **STS 110** | Science, Technology & Society | 2 | M. Jalloh/M.S. Fofanah/  J.S-Kamara |
| **SUB-TOTAL** |  | **17** |  |
| **SECOND YEAR** | | | |
| **ENGL 211** | English Language | 2 | Engl Dept |
| **COMPS 218** | Programming with C++ | 2(CH) 1 (P) | A Kallon/F Manna |
| **COMPS 217** | Computer operating System | 2(CH) 1 (P) | Y.L.Kamara/F Manna (P) |
| **COMPS 216** | Data Structure and Algorithm | 2 | Y.L.Kamara |
| **COMPS 219** | Introduction to Database Management using Access | 3 | Harvey |
| **STAT 212** | Data Analysis and Statistical Packages | 2(CH) 1 (P) | A Kamara/ A.Nyelenkeh |
| **BMATH 211** | Business Mathematics I | 2 | T. Mattia |
| **SUB-TOTAL** |  | **18** |  |

**THIRD YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EED 311** | Entrepreneurship | 3 | | J Kollie | |
| **COMPS 3119** | Computer Architecture and Organisation | 3 | | Y.L. Kamara | |
| **BIT 315** | Cost Accounting | 3 | | A Newland | |
| **BIT 316** | Accounting Spreadsheet Fundamentals | 3 | | A Kamara/ A.Nyelenkeh | |
| **BIT 317** | Human Resource Management | 3 | | M.S. Fofanah | |
| **BIT 318** | Principles of Management | 3 | | J Kollie | |
| **BIT 319** | Management Information Systems (E) | 3 | | A Kamara | |
| **COMPS 3121** | Mobile Computing | 2(CH) 1 (P) | | M Sesay/F Manna | |
| **COMPS 3116** | Programming with VB.Net | 3 | | A Kallon/ FManna | |
| **SUB-TOTAL** |  | **24** | |  | |
| **FOURTH YEAR** | | | | | |
| **COMB 401** | Computer System Audit and Internal Control | | 3 | | Instructor |
| **COMB 411** | Organizational Behaviour | | 3 | | J Kollie |
| **COMB 421** | Accounting Information Systems and Processes | | 3 | | F.M. Kallon |
| **COMPS 4129** | Mobile Computing and APP Development | | 2(CH) 1 (P) | | M Sesay/F Manna |
| **COMPS 421** | Project Design and Management | | 3 | | M. S. Fofanah |
| **COMPS 441** | Professional, Ethical/Legal Issues in IT | | 3 | | F M Kallon |
| **COMPS 451** | Advance VB .NET | | 3 | | A Kallon/ FManna |
| **SUB-TOTAL** |  | | **18** | |  |

**B.Sc.(Hons) ELECTRONICS AND TELECOMMUNICATION TECHNOLOGY**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept |
| **COMPS 111** | Introduction to Computers & Applications I | 2 | Harvey |
| **COMPS 112** | Intro. to Computer Programming | 2 | A.Nyelenkeh |
| **PHYS 111** | General Physics I | 3 | M. Abu |
| **MATH 111** | General Maths I | 3 | M. Abu |
| **ELTT 111** | Fundamentals of Computer Systems | 3 | M. Kembei |
| **STS 110** | Science, Technology and Society | 2 | M. Jalloh/M.S.Fofanah/  J.S-Kamara |
| **SUB-TOTAL** |  | **17** |  |
| **SECOND YEAR** | | | |
| **ENGL 211** | English Language | 2 | Engl. Dept |
| **COMPS 216** | Data Structure and Algorithm | 3 | Y.L.Kamara |
| **COMPS 217** | Computer operating System | 2(CH) 1 (P) | Y.L.Kamara/F Manna (P) |
| **COMPS 218** | Programming with C++ | 2(CH) 1 (P) | A.Kallon / F Manna |
| **ELTT 212** | Digital Logic Design I | 2(CH) 1 (P) | M. Sesay |
| **ELTT 213** | Introduction to Telecommunication Networks | 3 | C Thomas |
| **ELTT 214** | Analog Electronics | 2(CH) 1 (P) | M. Kembei |
| **TMATH 211** | Technical Mathematics | 2 | M.Abu |
| **SUB-TOTAL** |  | **18** |  |

**THIRD YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **EED 311** | Entrepreneurship | 3 | J Kollie |
| **ELTT 319** | Computer Aided Design | 2(CH) 1 (P) | M. S. Fofanah |
| **ELTT 3110** | Linear Integrated Circuits | 3 | M. Sesay |
| **ELTT 3111** | Communication Circuits | 3 | M. Sesay |
| **ELTT 3112** | Digital Communications | 3 | M. Kembei |
| **ELTT 3113** | Electromagnetism | 3 | T Mattia |
| **COMPS 3119** | Computer Organisation and Architecture | 3 | Y.L. Kamara |
| **COMPS 3121** | Mobile Computing | 3 | M Sesay/F Manna |
| **SUB-TOTAL** |  | **24** |  |
| **FOURTH YEAR** | | | |
| **ELTT 401** | Wireless and Cellular Communication System | 3 | M. Kembei |
| **ELTT 411** | Satellite Communication System | 3 | C Thomas |
| **ELTT 421** | Digital Integrated Circuits & Applications  (Moved to 3rd Year 2nd Semester) | 3 | M. Kembei |
| **ELTT 431** | Optical Communication Systems | 3 | M. Sesay |
| **COMPS 4130** | Computer and Network Security | 3 | F. M. Kallon |
| **ELTT 451** | Antennas and Wave propagation | 3 | M. Sesay/ |
| **ELTT 4117** | Network Administration and Troubleshooting | 2(CH) 1 (P) | Instructor/ Patrick |
| **ELTT 4129** | Mobile Computing and APP Development | 2(CH) 1 (P) | M Sesay/F Manna |
| **SUB-TOTAL** |  | **21** |  |

**B.Sc.(Hons) PHYSICS WITH COMPUTER SCIENCE**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept |
| **COMPS 111** | Intro. to Computers and Applications 1 | 2 (P) | Harvey |
| **COMPS 112** | Intro. to Computer Programming | 2 | A.Nyelenkeh |
| **STAT1 111** | Statistics for Information Technology | 3 | T. Mattia |
| **MATH 111** | General Mathematics I | 3 | M. Abu |
| **PHYS 111** | General Physics I | 2(CH) 1 (P) | M. Abu |
| **STS 110** | Science, Technology and Society | 2 | M. Jalloh/  M.S.Fofanah/  J.S-Kamara |
| **SUB-TOTAL** |  | **17** |  |
| **SECOND YEAR** | | | |
| **ENGL 211** | English Language | 2 | Engl. Dept |
| **COMPS 216** | Data Structure and Algorithms | 2(P) | Y.L.Kamara |
| **COMPS 217** | Computer operating System | 3 | Y.L.Kamara |
| **COMPS 218** | Programming with C++ | 2(CH) 1 (P) | A Kallon/F Manna |
| **PHYS 213** | Thermal Physics | 2(CH) 1 (P) | M Abu |
| **PHYS 214** | Mechanics & Properties of matter | 2(CH) 1 (P) | T Mattia |
| **TMATH 221** | Technical Mathematics | 2 | M. Abu |
| **SUB-TOTAL** |  | **18** |  |

**THIRD YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **EED 311** | Entrepreneurship | 3 | J Kollie |
| **PHYS 318** | Classical Mechanics | 3 | Instructor |
| **PHYS 319** | Solid State Physics | 3 | M Abu |
| **PHYS 3110** | Electromagnetism | 3 | T Mattia |
| **COMPS 3119** | Computer Architecture & Organizations | 3 | Y.L. Kamara |
| **COMPS 3120** | Object - Oriented Programming with C++ | 2(CH) 1 (P) | A Kallon/FManna |
| **COMPS 3118** | Artificial Intelligence (E) | 3 | F. M. Kallon |
| **COMPS 3121** | Mobile Computing (E) | 2(CH) 1 (P) | M Sesay/ F Manna |
| **COMPS 3116** | Programming with VB.Net | 2(CH) 1 (P) | A Kallon/FManna |
| **SUB-TOTAL** |  | **24** |  |
| **FOURTH YEAR (NO Physics Course in the final year)** | | | |
| **COMPS 4125** | Advance Programming using Visual Basic.net | 2(CH) 1 (P) | Instructor |
| **COMPS 4126** | Distributed and Concurrent Systems | 3 | Instructor |
| **COMPS 4128** | Professional, Ethical and Legal Issues in IT | 3 | Instructor |
| **ELTT 4117** | Network Administration and Troubleshooting | 2(CH) 1 (P) | Instructor/ Patrick |
| **COMPS 4129** | Mobile Computing and APP Development | 2(CH) 1 (P) | M Sesay/ F Manna |
| **COMPS 4130** | Computer and Network Security | 3 | F. M. Kallon |
| **BIT 412** | Project Design and Management | 3 | M. S. Fofanah |
| **SUB-TOTAL** |  | **21** |  |

**B.Sc(Hons) Energy Studies**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept. |
| **COMPS 111** | Introduction to Computers & Applications I | 2 | Harvey |
| **COMPS 112** | Intro. to Computer Programming | 2 | A.Nyelenkeh |
| **PHYS 111** | General Physics I | 3 | M. Abu |
| **MATH 111** | General Maths I | 3 | M. Abu |
| **CHEM 111** | General Chemistry I | 3 | Chem Dept |
| **STS 110** | Science, Technology and Society | 2 | M. Jalloh/M.S.Fofanah/  J.S-Kamara |
| **SUB-TOTAL** |  | **17** |  |
| **SECOND YEAR** | | | |
| **ENGL 21X** | English Language | 2 | Engl. Dept. |
| **PHYS 213** | Thermal Physics | 3 | M Abu |
| **ENE 212** | Energy in Society | 3 | M. Abu |
| **ENE 213** | Practical Meteorology | 3 | IEMQC |
| **COMPS 216** | Data Structure and Algorithms | 2 | Y.L.Kamara |
| **COMPS 218** | Programming with C++ | 3 (P) | A Kallon/F Manna |
| **TMATH 211** | Technical Mathematics | 3 | M. Abu |
| **SUB-TOTAL** |  | **19** |  |

**THIRD YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **EED 311** | Entrepreneurship | 3 | J Kollie |
| **PHYS 316** | Solid State Physics | 3 | M Abu |
| **PHYS 317** | Electromagnetism | 3 | T Mattia |
| **ENE 316** | Hydro energy: Sources and Technologies | 3(P) | T Yonga |
| **ENE 317** | Energy Economics and management | 3 | I T Tamba |
| **ENE 318** | Energy Statistics and Energy Demand Forecasting | 3 | I T Tamba |
| **ELTT 319** | Computer Aided Design(E) | 2(P) | M. S. Fofanah |
| **SUB-TOTAL** |  | **20** |  |
| **FOURTH YEAR** | | | |
| **ENE 401** | Renewable Energy &Sustainable Development | 3 | M Jalloh |
| **ENE 411** | Rural Energy Issues | 3 | T Yonga |
| **ENE 421** | Power Sector Management | 3 | M Jalloh |
| **COMPS 421** | Project Design and Management | 3 | M. S. Fofanah |
| **ENE 441** | Electricity Economics and Planning | 3 | A.A.B |
| **ENE 451** | Greenhouse Science & Policy | 3 | T Yonga |
| **SUB-TOTAL** |  | **18** |  |

**ORDINARY DIPLOMA**

**Computer Science and Information Technology**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Description** | **Credit Hrs** | **Staff** |
| **ENGL 111** | English Language | 2 | Engl. Dept |
| **DCS 111** | Introduction to Computers &Applications I | 2 | Harvey |
| **DCS 112** | Intro. to Computer Programming | 3 | A.Nyelenkeh |
| **DCS 113** | Discrete Maths | 2 | T. Mattia |
| **DMA 111** | General Mathematics I | 3 | M. Abu |
| **DGP 111** | General Physics I (E) | 3 | M. Abu |
| **DBIT 111** | **Basic Economics (E)** |  | Agric Econs Dept. |
| **DST 111** | Statistics for Information Technology I | 3 | T. Mattia |
| **SUB-TOTAL** |  | **18** |  |
| **SECOND YEAR** | | | |
| **ENGL 213** | English Language I | 2 | Engl Dept |
| **DCS 215** | Computer Hardware | 2 | F Manna |
| **DCS 216** | Database Design and management using Access | 3(P) | Harvey |
| **DCS 217** | Programming with C++ | 3(P) | A.Nyalenkeh |
| **DCS 218** | Introduction to Internet | 3 | F Manna |
| **DCS 219** | Data Communications & Networking | 3 | C. Thomas |
| **DEC 2111** | Operating Systems Fundamentals | 3 | F. Manna |
| **TOTAL CREDIT** | | **19** |  |

**HIGHER DIPLOMA**

**Computer Science and Information Technology**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Description** | | **Credit Hrs** | | **Staff** |
| **ENGL 111** | English Language | | 2 | | English Dept |
| **HDMA 111** | General Mathematics I | | 3 | | M. Abu |
| **HDCS 111** | Intro. to Computers and Applications I | | 3 | | Harvey |
| **HDCS 112** | Intro. to Computer Programming | | 3 | | A.Nyelenkeh |
| **HDGP 111** | General Physics I | | 3 | | M. Jalloh/ M. Abu |
| **HDBS 111** | E**conomics** | | 3 | | Agric Econs Dept. |
| **HDST 111** | Statistics for Information Technology | | 3 | | T. Mattia |
| **TOTAL CREDIT** | | **20** | |  | |
| **SECOND YEAR** | | | | | |
| **ENGL 211** | English Language | | 2 | | Engl Dept |
| **HDCS 217** | Database Management using Access | | 3 | | Harvey |
| **HDCS 218** | Operating Systems Fundamentals | | 3 | | Y.L. Kamara |
| **HDCS 219** | Computer Logic | | 3 | | C. Thomas |
| **HDCS 21 10** | Visual Basic | | 3(P) | | F Manna |
| **HDCS 2111** | Computer Applications in Management | | 3 | | A.Nyelenkeh |
| **HDCS 2112** | Programming with Java | | 3(P) | | F Manna |
| **TOTAL CREDIT** | | **20** | |  | |

**THIRD YEAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **HDCS 3119** | Advanced Database Management | 3 | Harvey |
| **HDCS 3120** | Information Security Policy & Management | 3 | F.M. Kallon |
| **HDCS 3121** | Computer hardware and Maintenance | 3(P) | Instructor |
| **HDCS 3122** | Network Administration and Troubleshooting | 3(P) | Instructor |
| **HDCS 3123** | Project Management | 3 | F.M. Kallon |
| **HDCS 3124** | Mobile App Development | 3 | F Manna |
| **HDCS 3125** | Webpage Development & Administration | 3 | A .Nyelenkeh |
| **TOTAL CREDIT** | | **21** |  |

**HIGHER DIPLOMA**

**Electronics and Computer Information Technology**

**FIRST SEMESTER COURSE ALLOCATION – 2018/19**

**FIRST YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Description** | | **Credit Hrs** | | **Staff** |
| **ENGL 111** | English Language | | 2 | | English Dept |
| **HDMA 111** | General Mathematics I | | 3 | | M. Abu |
| **HDCS 111** | Intro. to Computers and Applications I | | 3 | | Harvey |
| **HDCS 112** | Intro. to Computer Programming | | 3 | | A.Nyelenkeh |
| **HDGP 111** | General Physics I | | 3 | | M. Abu |
| HDEC 111 | Microcomputer System Components | | 3 | | M. Keimbe |
| HDEC 112 | Workshop Technology | | 3(P) | | Instructor |
|  |  | |  | |  |
| **TOTAL CREDIT** | | **20** | |  | |
| **SECOND YEAR** | | | | | |
| **ENGL 211** | English Language | | 2 | | Engl Dept |
| **HDEC 215** | Electronics Power Supplies | | 3 | | C. Thomas |
| **HDEC 216** | Computer hardware and Maintenance | | 3 | | Instructor |
| **HDEC 217** | Network Design and Installation | | 3 | | C. Thomas |
| **HDEC 218** | Communication Systems and Technology | | 3 | | Instructor |
| **HDCS 2112** | Programming with Java | | 3(P) | | F Manna |
| **HDCS 218** | Operating Systems Fundamentals | | 3 | | Y.L. Kamara |
| **TOTAL CREDIT** | | **20** | |  | |

**THIRD YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HDEC 3113** | Linear Integrated Circuits | | 3 | | M. Sesay |
| **HDEC 3114** | Mobile App Development | | 3 | | F Manna |
| **HDEC 3115** | Network Technology and Management | | 3 | | M. Keimbe |
| **HDEC 3116** | Network Administration and Troubleshooting | | 3 | | Instructor |
| **HDEC 3117** | Consumer Electronics Technology I | | 3 | | C. Thomas |
| **HDEC 3118** | Telephone Systems | | 3 | | C. Thomas |
| **HDCS 3120** | Information Security Policy & Management | | 3 | | F. M. Kallon |
| **TOTAL CREDIT** | | **21** | |  | |