**UTB Student Exchange Programme Modules**

**Faculty of Engineering**

\*The average Credit Value (CV) that the international students should

take must comply with their respective university CV's requirements.

**Semester 2; January - May 2020**

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| **Code** | **Module Title** | **CV** |
| EC1102 | Fluid Mechanics | 10 |
| EC1102 | Engineering Design | 10 |
| EC1104 | Mechanics Solids | 10 |
| EG1102 | Engineering Mathematics II | 20 |
| EC2104 | Geotechnics I | 20 |
| EC2105 | Engineering Hydrology | 10 |
| EC2501 | Ecology and Environment | 10 |
| EC3101 | Reinforced and Pre-Stressed Concrete Design | 20 |
| EC3105 | Highway and Traffic Engineering | 20 |
| EC3106 | Water Supply and Sewerage | 20 |
| EC3502 | Sustainable Development | 10 |
| EC4201 | Integrated Civil Design Project | 10 |
| EE1103 | Digital Electronics | 10 |
| EE1104 | Semiconductor Devices Fundamentals | 10 |
| EE2104 | Instrumentation and Measurement | 10 |
| EE2105 | Electronics Circuits | 10 |
| EE2106 | Microcomputer Engineering | 10 |
| EE2107 | Signals and Systems | 10 |
| EE3205 | Control Systems | 10 |
| EE3206 | Data Communications | 10 |
| EE3207 | Fiber Optics Technology | 10 |
| EE3208 | Power Electronics | 10 |
| EE4204 | Mobile Communications | 10 |
| EG1502 | Computing for Engineers | 10 |
| EE1103 | Digital Electronics | 10 |
| EM1103 | Engineering Statics | 10 |
| SM1102 | Engineering Mathematics 2 | 10 |
| LG1403 | Technical Communication | 10 |
| EE2105 | Electronics Circuits | 10 |
| EE2106 | Microcomputer Engineering | 10 |
| EM2104 | Engineering Dynamics | 10 |
| EM2107 | Engineering Management | 10 |
| EE2107 | Signals and Systems | 10 |
| EE2104 | Instrumentation and Measurement | 10 |
| EE3205 | Control Systems | 10 |
| EE3304 | Electrical Machines 1 | 10 |
| EE3209 | Robotics | 10 |
| EE4312 | Artificial Intelligence | 10 |
| EM1102 | Engineering Materials | 10 |
| EM1103 | Engineering Statics | 10 |
| EM2104 | Design & Manufacture | 10 |
| EM2105 | Engineering Dynamics | 10 |
| EM2106 | Modelling & Simulation | 10 |
| EM2107 | Engineering Management | 10 |
| EM3205 | Heat Transfer | 10 |
| EM3206 | Mechanical Vibration | 10 |
| EM3207 | Stress Analysis of Machine Elements | 10 |
| EM3208 | Industrial Automation & Control Systems | 10 |
| EM4204 | Power Plant Engineering | 10 |