| ETEC 302 | Microwave Engineering | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.302.1** | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 2 | - | 3 |
| **C.302.2** | 3 | 3 | 2 | 2 | 3 | 1 | - | - | 2 | 2 | - | 3 |
| **C.302.3** | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | - | 3 |
| **C.302.4** | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 2 | 3 | - | 3 |
| **C.302.5** | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 2 | 2 | - | 2 |
| **C.302.6** | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | - | 3 |
| **C.302** | 3.0 | 3.0 | 2.8 | 2.8 | 2.8 | 1.0 | 0.5 | 0.5 | 2.0 | 2.2 | - | 2.8 |
| | | | | | | | | | | | | |
| **ETEC 304** | **Information Theory and Coding** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.304.1** | 3 | 3 | 2 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304.2** | 3 | 3 | 2 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304.3** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304.4** | 3 | 2 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304.5** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304.6** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.304** | 3.0 | 2.8 | 2.7 | 3.0 | 3.0 | - | - | - | 2.0 | 2.0 | - | 3.0 |
| | | | | | | | | | | | | |
| **ETEC 306** | **Digital Signal Processing** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO 10 | PO 11 | PO12 |
| **C.306.1** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.306.2** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.306.3** | 3 | 3 | 2 | 2 | 2 | - | - | - | 2 | 2 | - | 2 |
| **C.306.4** | 3 | 3 | 2 | 2 | 2 | - | - | - | 2 | 2 | - | 2 |
| **C.306.5** | 3 | 2 | 3 | 3 | 2 | - | - | - | 2 | 2 | - | 3 |
| **C.306.6** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.306** | 3.0 | 2.8 | 2.7 | 2.7 | 2.5 | - | - | - | 2.0 | 2.0 | - | 2.7 |
| | | | | | | | | | | | | |

| ETEC 308 | VLSI Design | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.308.1** | 3 | 2 | - | 2 | 2 | - | 1 | 1 | - | - | - | 2 |
| **C.308.2** | 3 | 2 | 3 | 1 | 1 | - | - | 1 | - | - | 2 | 2 |
| **C.308.3** | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 |
| **C.308.4** | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | - | - | 3 |
| **C.308.5** | 3 | 1 | 1 | 3 | 1 | 1 | - | - | 2 | 1 | 2 | 2 |
| **C.308.6** | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| **C.308** | 3.0 | 2.2 | 1.8 | 2.2 | 1.8 | 1.0 | 0.8 | 1.0 | 1.2 | 0.7 | 1.3 | 2.2 |
| | | | | | | | | | | | | |
| **ETEC 310** | **Data Communication and Networks** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C310.1** | 3 | 2 | 2 | 2 | 2 | - | - | - | 2 | 2 | 1 | 3 |
| **C310.2** | 3 | 2 | 2 | 3 | 2 | - | - | - | 2 | 2 | 1 | 3 |
| **C310.3** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | 2 | 3 |
| **C310.4** | 3 | 2 | 3 | 2 | 2 | - | - | - | 2 | 2 | 1 | 3 |
| **C310.5** | 3 | 2 | 2 | 2 | 2 | - | - | - | 2 | 2 | 2 | 3 |
| **C310.6** | 3 | 2 | 2 | 2 | 2 | - | - | - | 2 | 2 | 2 | 3 |
| **C310** | 3.0 | 2.2 | 2.3 | 2.3 | 2.2 | - | - | - | 2.0 | 2.0 | 1.5 | 3.0 |
| | | | | | | | | | | | | |
| **ETEC 314** | **Antenna and Wave Propagation** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.314.1** | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 1 | 2 | 3 | 3 |
| **C.314.2** | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 2 | 2 | 2 |
| **C.314.3** | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 2 | 2 | 3 |
| **C.314.4** | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| **C.314.5** | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 2 | 2 | 3 |
| **C.314.6** | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| **C.314** | 3.0 | 3.0 | 3.0 | 3.0 | 2.7 | 1.2 | 1.5 | 0.8 | 1.5 | 2.2 | 2.5 | 2.8 |
| | | | | | | | | | | | | |

| ETEC 352 | Microwave Engineering Lab | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CO** | PO1 | PO 2 | PO 3 | PO 4 | PO 5 | PO6 | PO 7 | PO8 | PO 9 | PO 10 | PO 11 | PO12 |
| **C.352.1** | 3 | 3 | 3 | 2 | 3 | - | - | - | 2 | 3 | 1 | 3 |
| **C.352.2** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 1 | 1 | 2 |
| **C.352.3** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | 1 | 3 |
| **C.352.4** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 2 |
| **C.352.5** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 3 |
| **C.352.6** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | 2 | 3 |
| **C.352** | 3.0 | 3.0 | 3.0 | 2.8 | 3.0 | - | - | - | 2.0 | 2.0 | 0.8 | 2.7 |
| | | | | | | | | | | | | |
| **ETEC 354** | **VLSI Design Lab** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.354.1** | 3 | 3 | 2 | 2 | 3 | - | - | - | 2 | 2 | 1 | 2 |
| **C.354.2** | 3 | 3 | 2 | 3 | 3 | - | - | - | 3 | 2 | 1 | 2 |
| **C.354.3** | 3 | 3 | 2 | 3 | 3 | - | - | - | 3 | 2 | 1 | 3 |
| **C.354.4** | 3 | 3 | 2 | 2 | 3 | - | - | - | 2 | 2 | 1 | 2 |
| **C.354.5** | 3 | 3 | 3 | 2 | 3 | - | - | - | 2 | 2 | 2 | 3 |
| **C.354.6** | 3 | 3 | 3 | 2 | 3 | - | 1 | - | 3 | 2 | 2 | 3 |
| **C.354** | 3.0 | 3.0 | 2.3 | 2.3 | 3.0 | - | 0.2 | - | 2.5 | 2.0 | 1.3 | 2.5 |
| | | | | | | | | | | | | |
| **ETEC 356** | **Digital Signal Processing Lab** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.356.1** | 3 | 3 | 2 | 1 | 3 | - | - | - | 2 | 2 | - | 2 |
| **C.356.2** | 3 | 3 | 2 | 2 | 3 | - | - | - | 2 | 2 | - | 2 |
| **C.356.3** | 3 | 3 | 2 | 2 | 3 | - | - | - | 2 | 2 | - | 2 |
| **C.356.4** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | - | 2 |
| **C.356.5** | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 2 | 1 | 2 |
| **C.356.6** | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 3 | 3 | 3 |
| **C.356** | 3.0 | 3.0 | 2.5 | 2.3 | 3.0 | 0.2 | 0.2 | 0.3 | 2.2 | 2.2 | 0.7 | 2.2 |
| | | | | | | | | | | | | |

| ETEC 358 | Data Communication Network Lab | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C358.1** | 3 | 3 | 3 | 3 | 3 | 1 | - | 1 | 3 | 2 | 1 | 2 |
| **C358.2** | 3 | 3 | 3 | 3 | 3 | 1 | - | 1 | 3 | 2 | 2 | 2 |
| **C358.3** | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 3 | 2 | 2 | 2 |
| **C358.4** | 3 | 3 | 3 | 3 | 3 | 1 | - | 1 | 3 | 2 | 2 | 2 |
| **C358.5** | 3 | 3 | 3 | 3 | 3 | - | - | 1 | 3 | 2 | 1 | 2 |
| **C358.6** | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 3 |
| **C358** | 3.0 | 3.0 | 3.0 | 3.0 | 2.7 | 0.8 | 0.2 | 1.2 | 3.0 | 2.0 | 1.7 | 2.2 |
| | | | | | | | | | | | | |
| **ETEC 360** | **Industrial/In-house Training** | | | | | | | | | | | |
| **CO** | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| **C.360.1** | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3 |
| **C.360.2** | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 3 | 3 | 3 | 3 |
| **C.360.3** | 3 | 3 | 1 | 3 | 1 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| **C.360.4** | 3 | 1 | 1 | 1 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **C.360.5** | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **C.360** | 3.0 | 2.0 | 1.2 | 1.6 | 1.6 | 2.6 | 1.8 | 2.6 | 3.0 | 2.8 | 3.0 | 3.0 |
| | | | | | | | | | | | | |