EN8060  Telecommunications B

Course Aim
To provide students with advanced theoretical and specialist practical skills in the analysis and design of digital communications systems and to present the advanced applications and characteristics of modern telecommunication systems.

<table>
<thead>
<tr>
<th>Short Title</th>
<th>Faculty</th>
<th>Polytechnic Level</th>
<th>Credits</th>
<th>Pre-requisites</th>
<th>Co-requisites</th>
<th>Anti-requisites</th>
<th>Version</th>
<th>Effective From</th>
<th>Indicative NQF Level</th>
<th>Student Contact hrs</th>
<th>Self-directed hrs</th>
<th>Other directed hrs</th>
<th>Total learning hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN8060</td>
<td>EDICT</td>
<td>7</td>
<td>15</td>
<td>EN7060 or ENB6060</td>
<td>None</td>
<td>None</td>
<td>4</td>
<td>September 1, 2016</td>
<td>8</td>
<td>60</td>
<td>90</td>
<td>0</td>
<td>150</td>
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</table>

Learning Outcomes
On successful completion of this course, students will be able to:

1. Demonstrate critical knowledge related to advanced digital modulation techniques in terms of analysis and performance, and apply them for signal modulation and demodulation.
2. Demonstrate advanced knowledge related to currently-used telecommunication systems in terms of their characteristics and performance.
3. Design and configure and critically analyze a telecommunication system for a defined or undefined practical application.

NQF Sub-strand
- Theoretical Understanding
- Practical Application of knowledge
- Practical Application of knowledge