

APPROVED

EN6001: Engineering Computing

Course Details

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| Course Code: | EN6001 |
| Course Title: | Engineering Computing APPROVED |
| Short Title: | |
| Course Level:: | Level 6 |
| Valid From:: | 2018/2019 Sem 1 |
| Credits:: | 15 |
| Owner: | Engineering Technology |
| Assessment Method: | Achievement |
| Course Aim | To give students a detailed knowledge of structured programming techniques, the C/C++ programming language and to present a detailed application of symbolic language programming techniques as they relate to engineering problem-solving. |

| CILO | |
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| On Completion of this course, the learner will be able to | |
| # | Learning Outcome Description |
| 1 | Demonstrate a detailed understanding of the general concept of a computer system. |
| 2 | Apply basic and some advanced programming skills to create a computer program utilising a modern integrated development environment and conforming to a defined specification. |
| 3 | Demonstrate a detailed understanding of structured programming techniques for solving defined engineering problems. |
| 4 | Apply basic and some advanced programming skills to design and document a structured C/C++ program using basic concepts of engineering analysis. |
| Requisites | |
| <ul style="list-style-type: none"> • Pre Requisite: EN6907 (ENB5907) | |

| Examinations |
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| Assessment Type Examination (Unseen) |
| Other Controlled Assessments |
| Assessment Type Lab Assignment |
| Uncontrolled Assessments |
| Assessment Type Practical Project |

| Affiliated Entities | | | |
|---------------------|--|----------------|-------------|
| Entity Code | Entity Title | Entity Version | Entity Type |
| ENT7031 | Associate Degree in Engineering Technology (Electronics) | 2 | Programme |
| ENT7040 | Associate Degree in Engineering Technology (Electrical) | 1 | Programme |