

## Module: Applied Information Technology 482

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| <b>Module name:</b>       | Applied Information Technology 482         |
| <b>Code:</b>              | AIT482                                     |
| <b>NQF level:</b>         | 8  |
| <b>Type:</b>              | Core – Bachelor of Computing (all streams) |
| <b>Outside classroom:</b> | 600 hours                                  |
| <b>Notional hours:</b>    | 600 hours                                  |
| <b>Credits:</b>           | 60   |
| <b>Prerequisites:</b>     | AIT481                                     |

### Purpose

Experiential learning and off-site practical form an integral part of the education and training of the students at The Belgium Campus. It is part of the curriculum and requirements for the awarding of their qualification.

- To expose students to the nature and scope of the actual work situation on a regular basis.
- To expose and assess the student's application of the acquired on-campus knowledge and skills based on prescribed syllabus, in a real work situation under the guidance of a mentor.

### Outcomes

Upon successful completion this module, the student will be able to:

- Demonstrate the ability to present and communicate academic, professional or occupational ideas and texts effectively to a range of audiences albeit internal (subject to the organisational hierarchy) or external (with, amongst others, academic or work-related institutions), offering creative insights, rigorous interpretations and solutions to problems and issues.
- Apply in a self-critical manner, learning strategies which effectively address his or her professional and ongoing learning needs and the professional and ongoing learning needs of others, while remaining cognisant of their role as a staff member undergoing in-service training.
- Demonstrate an understanding of the complexities and uncertainties of selecting, applying or transferring appropriate standard procedures, processes or techniques to unfamiliar problems in the context of working in an appropriate field.
- Use a range of specialised skills to identify, analyse and address complex or abstract problems drawing systematically on the body of knowledge and methods appropriate to the workplace.
- Take full responsibility for his or her work, decision-making and use of resources, and full accountability for the decisions and actions of others where appropriate.

### Assessment

- There will be engagement with the student and the stakeholders.
- Continuous evaluation of practical work through:
  - Submission of 6 monthly reports.

- Submission of 1 mentor evaluations.
- Submission of 1 final report. (Summary of full 12 months).

## Teaching and Learning

### Learning materials

#### *Prescribed Book*

All text used during academic training.

### Learning activities

The work integrated learning is a practical module with 6 compulsory monthly reports, 1 mentor evaluation and 1 final report which must be completed during the module. The final report will be a full summary of the students in-service training. Supervisor input and feedback will be given based upon the above-mentioned reports.

### Notional learning hours

| Activity           | Units | Contact Time | Structured Time | Self-Directed Time |
|--------------------|-------|--------------|-----------------|--------------------|
| Workplace Training | 6     |              |                 | 600.0              |
|                    |       |              |                 | <b>600.0</b>       |

*Note: The actual time spent in the workplace may greatly exceed the notional time required to achieve the specified learning outcome.*

### Syllabus

- Guidelines and templates on completing the various reports required.
- Visits to the work place will be conducted to evaluate the student's progress.
- The student is required to complete their in-service training within one of the Bachelor degree streams.