


AMOU UNIVERSITY
“A Vehicle for Peace and Development”
AMOU UNIVERSITY



FACULTY OF COMPUTING AND ICT

DIPLOMA IN INFORMATION TECHNOLOGY PROGRAMME

ACADEMIC YEAR 2016/ 2017

COURSE DESCRIPTION

| | | | |
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| DIT 204 | Discrete Mathematics | | |
| Contact Hours | 45 | | |
| Pre-requisite | N/A | | |
| Purpose/Aim | This course aims at equipping students with knowledge on DBMS, a foundation for data storage and information processing | | |
| Course Objective (Indicative Learning Outcomes) | <ul style="list-style-type: none"> • Students should learn about databases, know about how to create database systems, the various tools available for use in DBMS and normalization skills. | | |
| Course Content | <ul style="list-style-type: none"> • Introduction to Databases; • The Relational Data Model; • Data Modeling I and II; • Normalization; • Physical Database Design; • Database Management Systems; • Database Programming; • Integrity and Security; • Concurrency; • Networked and Distributed Systems; • SQL tutorial. | | |
| Learning & Teaching Methodologies | Lectures, tutorials | | |
| Instructional Materials/Equipment | Classroom with audio visual aids Computer laboratory | | |
| Course Assessment | Type | Weighting (%) | |
| | Final Examination | 60 | |
| | Mid Term Examination | 20 | |
| | Assignment | 10 | |
| | Attendance | 10 | |
| | Total | 100 | |
| Recommended Reading | Title | Author | Publisher |
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| Additional Reading | | | |



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| Other Support Material | A variety of multimedia systems and electronic information resources as prescribed by the lecturer. Various application manuals, URL search and journals. |
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