**ADVENTIST UNIVERSITY OF CENTRAL AFRICA (AUCA)**

**STUDY AND METHOD RESEARCH ASSIGNMENT**  
**Group Number:** Group E

**Course Code:** EDRM 8113 E

**Group(5) Members:**

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**Date:** May 7, 2025.

**Solution-1:**

**Transcript of student Not in probation after 8 semesters:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SEMESTER ONE** | | | |
| **COURSE NAME** | **CREDITS** | **GRADE** | **CREDITS\*GRADE** |
| Applied mathematics | 3 | 13 | 39 |
| Intro to computer application | 3 | 14 | 42 |
| Study and Method Research | 2 | 15 | 30 |
| General English | 3 | 12 | 24 |
| Principles of accounting | 3 | 17 | 51 |
| Intro to Bible Study | 2 | 19 | 38 |
| **TOTAL** | **16** |  | **224** |
| **GPA=224/16 =14** | | | |
| **SEMESTER TWO** | | | |
| Digital Computer fundamental | 3 | 13 | 39 |
| Descriptive Math | 3 | 14 | 42 |
| Computer Maintenance | 3 | 15 | 45 |
| Introduction to Computer Programming | 4 | 12 | 48 |
| Academic English writing | 3 | 17 | 51 |
| **TOTAL** | **16** |  | **225** |
| **GPA = 225/16=14** | | | |
| **SEMESTER THREE** | | | |
| Probability and statistics | 3 | 13 | 39 |
| English speaking skills | 3 | 14 | 42 |
| English proficiency certificate I | 3 | 15 | 45 |
| Database Management system | 3 | 12 | 36 |
| **TOTAL** | **12** |  | **162** |
| **GPA=162/12 = 13.5** | | | |
| **SEMESTER FOUR** | | | |
| Theory of Computation | 3 | 13 | 39 |
| Software Engineering | 3 | 14 | 42 |
| Computer Networks | 4 | 15 | 60 |
| English Phonology | 3 | 12 | 36 |
| **TOTAL** | **13** |  | **177** |
| **GPA=177/13=13.6** | | | |
| **SEMESTER FIVE** | | | |
| Data structure and Algorithm | 4 | 13 | 52 |
| Object oriented Programming | 4 | 14 | 56 |
| Health Principles | 2 | 15 | 30 |
| Mult Variable Calculus | 4 | 12 | 48 |
| Web Design | 3 | 17 | 51 |
| **TOTAL** | **17** |  | **237** |
| **GPA = 237/17=13.9** | | | |
| **SEMESTER SIX** | | | |
| Software Testing Techniques | 3 | 15 | 39 |
| Software security | 3 | 14 | 42 |
| Java programming | 4 | 15 | 60 |
| **TOTAL** | **10** |  | **141** |
| **GPA=141/10 = 14.1** | | | |
| **SEMESTER SEVEN** | | | |
| Operating systems | 4 | 13 | 52 |
| Web Technology and Internet | 4 | 14 | 56 |
| Dot Net | 4 | 15 | 60 |
| Intro to Big Data | 3 | 12 | 36 |
| Introduction To Linux | 3 | 17 | 51 |
| **TOTAL** | **18** |  | **255** |
| **GPA=255/18 = 14.1** | | | |
| **SEMESTER EIGHT** | | | |
| Mobile Programming | 4 | 13 | 39 |
| Emerging Technologies | 3 | 14 | 42 |
| Software Quality Assurance | 3 | 15 | 30 |
| Best Programming Practice Design Patters | 3 | 12 | 24 |
| **TOTAL** | **13** |  | **189** |
| **GPA=189/13=14.5** | | | |

**GPA AFTER 8 SEMESTERS** =224+225+162+177+237+141+255+189 /28+13.5+13.9+14.1+14.1+14.5 =1610/98.1 = **16.4**

**GPA of Major Courses**

|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE NAME** | **CREDITS** | **GRADE** | **CREDITS\*GRADE** |
| Applied Mathematics | 3 | 13 | 39 |
| Digital Fundamental | 3 | 13 | 39 |
| Introduction to Computer Programming | 4 | 12 | 48 |
| Probability and statistics | 3 | 13 | 39 |
| Database Management System | 3 | 12 | 36 |
| Software engineering | 3 | 14 | 42 |
| Dot Net | 4 | 15 | 60 |
| Software Testing Techniques | 3 | 15 | 45 |
| **Total** | **26** |  | **348** |
| **GPA = 348/26=13.3** | | | |

**Solution-2:**

**Transcript of student in probation after 4 semesters:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SEMESTER ONE** | | | |
| **COURSE NAME** | **CREDITS** | **GRADE** | **CREDITS\*GRADE** |
| Applied mathematics | 3 | 10 | 30 |
| Intro to computer application | 3 | 7 | 21 |
| Study and Method Research | 2 | 8 | 24 |
| General English | 3 | 11 | 33 |
| Principles of accounting | 3 | 8 | 24 |
| Intro to Bible Study | 2 | 9 | 18 |
| **TOTAL** | **16** |  | **150** |
| **GPA=150/16 =9.3** | | | |
| **SEMESTER TWO** | | | |
| Digital Computer fundamental | 3 | 10 | 30 |
| Descriptive Math | 3 | 7 | 21 |
| Computer Maintenance | 3 | 8 | 24 |
| Introduction to computer Programming | 4 | 11 | 44 |
| Academic English writing | 3 | 8 | 24 |
| **TOTAL** | **16** |  | **143** |
| **GPA = 143/16=8.9** | | | |
| **SEMESTER THREE** | | | |
| Probability and statistics | 3 | 10 | 30 |
| English speaking skills | 3 | 7 | 21 |
| English proficiency Certificate I | 3 | 8 | 24 |
| Database Management system | 3 | 11 | 33 |
| **TOTAL** | **12** |  | **108** |
| **GPA=108/12 = 9** | | | |
| **SEMESTER FOUR** | | | |
| Theory of Computation | 3 | 10 | 30 |
| Software Engineering | 3 | 7 | 21 |
| Computer Networks | 4 | 8 | 32 |
| English Phonology | 3 | 11 | 33 |
| **TOTAL** | **13** |  | **116** |
| **GPA=116/13=8.9** | | | |

**GPA AFTER 4 SEMESTERS** =

150+143+108+116/16+16+12+13/16+16+12+13=517/57 = **9**

**GPA of Major Courses**

|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE NAME** | **CREDITS** | **GRADE** | **CREDITS\*GRADE** |
| Applied Mathemamtics | 3 | 10 | 30 |
| Digital Computer Fundamental | 3 | 10 | 30 |
| Introduction to computer programming | 4 | 11 | 44 |
| Probability and statistics | 3 | 10 | 30 |
| Database Management System | 3 | 11 | 33 |
| Software engineering | 3 | 7 | 21 |
| Theory of Computation | 3 | 10 | 40 |
|  |  |  |  |
| **Total** | **22** |  | **228** |
| **GPA = 228/22=10.3** | | | |