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

**STUDY AND METHOD RESEARCH ASSIGNMENT**  
**Group Number:** Group 5

**Group Members:**

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**Date:** May 7, 2025.

**Solution-1:**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Name** | **Type** | **Credits** | **Grade/20** | **Credits\*Grade** |
| Principles of Accounting I | Minor | 24 | 18 | 432 |
| Intro to comp application | Major | 31 | 14 | 434 |
| Applied Mathematics | Major | 31 | 16 | 496 |
| Intro to Bible Study | Minor | 16 | 14 | 224 |
| Study & method Research | Minor | 16 | 15 | 210 |
| General English | Minor | 24 | 17 | 408 |
| **Total** |  | **142** |  | **2204** |

**GPA** = 2204/142 = 15.5

**GPA of Major Courses** = 434+496/31+31 = 930/62 = 15

**Solution-2:**

**Transcript of Student in probation after 4 Semesters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Name** | **Type** | **Credits** | **Grade/20** | **Credits\*Grade** |
| Principles of Accounting I | Minor | 12 | 11 | 132 |
| Intro to comp application | Major | 15 | 8 | 120 |
| Applied Mathematics | Major | 15 | 7 | 105 |
| Intro to Bible Study | Minor | 8 | 9 | 72 |
| Study & method Research | Minor | 8 | 9 | 72 |
| General English | Minor | 12 | 10 | 120 |
| **Total** |  | **70** |  | **621** |

**GPA** = 621/70 = 8.8

**GPA of Major Courses** = 120+105/15+15= 225/30 = **7.5**

**Solution-3 :**

**Calendar**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Month** | **week 1** | **week 2** | **week 3** | **week 4** |
| **January** |  | Orientation | Classes started | Lessons Continue |
| **February** | Lessons continue | Quizzes began | Lessons Continue | Lessons Contue |
| **March** | Midsemster | Midsemester exams | Midsemester exams | Week of prayer |
| **April** | Week of Prayer | Genocide Memorial week | Lessons continue | Final Revision |
| **May** | Final Revision | Final exam | Final exam | End semester |

**Solution-3:**

**Dairy Timetable Of Studied Semester**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HOUR** | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** |
| 8:30-9:20 | Introduction to Bible | Principles of Accounting I | Study and  Research Methods | Introduction  to Computer Applications |
| 9:30-10:20 | Introduction to Bible | Principles of Accounting I | Study and  Research Methods | Introduction  to Computer Applications |
| 10:30-11:20 |  | Principles of Accounting I |  | Introduction  to Computer Applications |
| 11:30-12:20 |  |  |  | General  English |
| 12:30-13:20 |  |  |  | General  English |
| 13:30-14:20 |  |  |  |  |
| 14:30-15:20 | Applied  Mathematics |  |  |  |
| 15:30-16:20 | Applied  Mathematics |  |  |  |
| 16:30-17:20 | Applied  Mathematics |  |  |  |

**Solution-4:**

**AUCA LIBRARY**

1. **Information about AUCA Library:**

When students want to borrow a book from the AUCA Library, they must show their Student ID. The AUCA Library is also open to people who are not AUCA students, but they need special permission to use it.

The library has group study rooms available for students who are working together. If a group needs a place to talk or study, they can request a room.

The AUCA Library keeps final projects written by students who have graduated. These projects are stored like books.

If a guest wants information about the AUCA Library, there is someone available to help and provide the needed details.

|  |  |
| --- | --- |
| **Working Time** | |
| **DAYS** | **HOURS** |
| Monday to Thursday | 8:30 AM to 8:00 PM |
| Friday | 8:30 AM to 3:00 PM |

1. **Direct Quotation From Book with One Author.**

“Computer system are designed to execute instruction in a sequential manner unless otherwise directed.”(Stalling, 2018, p.45).

**APA Reference:**

Stalling, W. (2018). *Computer organization and architecture* (10th ed.). Pearson.

1. **Direct Quotation From Book with more than one Author:**

**“**Managerial accounting is intended to help managers within the organization make decision**”** (Horngren, Sundem, & Stratton, 2014, p. 12).

**APA Reference:**

Horngren, C.T, Sundem, G.L., & Stratton, W. O. (2014). *Introduction to management accounting* (16th ed.). Pearson.

1. **Paraphrasing:**

Good time management helps students reduces stress and perform better academically(Cottrell, 2019).

**APA Reference:**

Cottrell, S.(2019). *The study skills handbook* (5th ed.). Red Globe press.

1. **Online Information**

**Format Style To use:**

With date: Website Name.(Year, Month Day). Title of webpage. URL

**OR**

With no date(n.d): Website Name. (n.d). Title of webpage. URL

**Answer:**

SkillsYouNeed.(n.d). *Stkills You Need*. <https://www.skillsyouneed.com/learn/study-skills.html>

1. **Reference list of above source infomation**

Stalling, W. (2018). *Computer organization and architecture* (10th ed.). Pearson.

Horngren, C.T, Sundem, G.L., & Stratton, W. O. (2014). *Introduction to management accounting* (16th ed.). Pearson.

Cottrell, S.(2019). *The study skills handbook* (5th ed.). Red Globe press.

SkillsYouNeed. (n.d). *Skills You Need.* <https://www.skillsyouneed.com/learn/study-skills.html>

**Solution-5: Research on Specific Problem**

**Based on our research Titled:** Smart gate system with face recognition at AUCA,

1. **General research question:**

How can a smart gate with face recognition help student to enter AUCA?

1. **General objective:**

To build smart gate that will help students at Gishushu AUCA branch to enter without showing their ID or registration forms every day especially newcomers.

1. **Null Hypothesis:**

Using face recognition gate system doesn’t make entry faster than current way for checking IDs.

1. **Population** are all student at Gishushu AUCA branch

**Sample size: n =**

where:

n = sample size we are looking for

N = n umber of population

e = margin error(commonly 0.05 for 95% confidence)

let say that at Gishushu AUCA branch have 2000 students;

**n =**

**n= 2000/6 =333(sample size)**

1. **Research Instrument we can use to get primary data:**

We can use a **survey (questionnaire)** for students. Just a few questions like:

1. Is it annoying to show your ID every day at the gate?
2. Does the current gate process waste your time?
3. Do you think face recognition can make entry easier?
4. Would a smart gate reduce problems with security staff?
5. Do you feel safer with a system that uses face scanning?

Students can answer from 1 (strongly disagree) to 5 (strongly agree).