

### **Cumulative Grade Point Average (CGPA) Calculation**

The Cumulative Grade Point Average (CGPA) is a measuring scale of performance for students. Courses are assigned units depending on the volume of work required to complete the course.

The minimum number of units per semester = 12 in EKSU.

The maximum number of units per semester = 28 in EKSU.

#### **Each course is graded in unit 1-5.**

A one (1) unit course means one hour of lecture OR one hour of tutorial OR 2-4 hours of practical per week throughout the semester.

A three (3) unit course means 2 hours of lectures; and 1 hour of tutorial per week.

#### **Level of Performances:**

A- ( 70-100% )

B- ( 60-69% )

C- ( 50-59% )

D- ( 45-49% )

E- ( 40-44% )

F- ( 00-39% )

#### **Rating (Credit points per Unit)**

A = 5

B = 4

C = 3

D = 2

E = 1

F = 0

**Total Load Unit (TLU)**- This is the total number of course unit earned by a student in each semester.

**NB:** TLU lies between 12 and 28.

To the calculations proper...

If in a course of 3 unit, someone makes a grade of 'A'. Don't forget, the Credit Unit of A is 5. Now, the credit points of this particular course will be the Unit multiplied by the Credit Unit made. That is  $3 * 5 = 15$ .

Digest that before we continue.

Another example: - In another course CSC 101 [b], a 5-unit course. Somebody made B at the end of the semester for this course. Remember, B = 4. So, the credits points for CSC 101 in that semester would be  $5 * 4 = 20$ .

Now, the student will add up all the Credit points of each course that made up the semester.

That is  $15 + 20 + 5 + 25 + 15 + 5 + 15 \dots$  so on and so forth.

What do I mean by 25...? It means 'A' in a 5-unit course.

After the additions, then it is called **Total Credit Point (TCP)**.

In the above example:  $15 + 20 + 5 + 25 + 15 + 5 + 15 = 100$ .

And in this, he did 2 5-unit courses; 1 4-unit courses; 2 3-unit courses; 2 1-unit courses.

Hope you haven't forgot the **Total Load Unit (TLU)...**?

So, we have it as  $5 + 5 + 4 + 3 + 3 + 1 + 1 = 22$ .

**NB-** This does not concern the Grade this time around. We only calculated here the units for each course. And NOT the Ratings.

NOW, the Grade Point Average (GPA) for the semester is Total Credit point (TCP) divided by Total load Units (TLU)

SO, this student GPA was  $100/22 = 4.54$

In your calculator, I think it'll be 4.54545. But you can't do your Rounding-off. Leave it as it is.

So, the G.P.A of the student is 4.54

**Cumulative Grade Point Average (CGPA)** is the summation of all the semesters Total Credit Points (TCP) divided by the summation of Total Load Units (TLU) for the semesters.

So, if this same student makes the same Grades in same Units in different courses now in his/her second semester. But had one (1) more 1-unit course and scored an 'A' in the course. So, the TCP will be  $100+5=105$ . The  $TLU=22+1=23$ .

The student GPA for 2nd semester will be  $105/23=4.56$

while the CGPA will be

**TCP-  $100 + 105 = 205$**

**TLU-  $22 + 23 = 45$**

100 and 22 for first semester.

105 and 23 for second semester

the **CGPA =  $205/45 = 4.55$**

**Note:**

Same calculations apply to everybody and in each and every semester. Your CGPA starts from your second semester to the Eight or tenth or twelve semesters for a 4 or 5 or 6 – year course respectively. While GPA is on each semester basis.

**We can add status of each cumulative GPA**

A student whose CGPA is below 1.0 at the end of a semester shall be on PROBATION. If the CGPA is still less than 1.0 the following Semester, the student shall be required to WITHDRAW.

**Last but not the least, (Our calculator should show this)**

FIRST CLASS — 4.50 – 5.00

Second Class Upper — 3.50 – 4.49

Second Class Lower — 2.50 – 3.49

Third Class — 1.50 – 2.49

Pass — 1.00 – 1.49

Pass= Graduate without Honors.

**Final NB:** for each course except practical courses. The mid-semester tests are between 20-40%. And the End of the Semester Exam is between 60-80%. Practical courses have no exams. Just each practicals has each marks which make up the final Grades.