USER GUIDE

Estimate.exe

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https://estimate-exe.github.io/estimate.exe/

Content:

Introduction:

Welcome to the user guide Estimator.exe Tool! This manual will provide you with straightforward instructions to effectively use this tool for calculating your grade point average. Whether you're a student, a teacher, or just curious about your academic progress, this guide will help you navigate the GPA/CGPA calculation process easily. Let's get started.

Basic Terms you need to know:

Credits: Course credit is a numerical value assigned to a course that represents the amount of academic work and learning associated with it. It serves as a measure of the time and effort required to complete the course. Credits are used to track a student's progress and determine their eligibility for graduation. Accumulating credits is essential for fulfilling degree requirements and progressing through an academic program.

Code	Course	Units	Grade	CGPA	Units
CHEM111	CHEMISTRY	3	B	8.10	21
TA116	COMPUTER PROGRAMMING-I	3	B		
EGL112	ENGLISH LANGUAGE SKILLS	3	A		

Grades: Subject grades are assessments that indicate a student's level of achievement in a specific academic subject. These grades provide a quantitative or qualitative evaluation of the student's performance, reflecting their understanding, knowledge, and skills in that particular subject area. Subject grades are typically assigned based on criteria such as exams, assignments, projects, and class participation. They play a crucial role in assessing a student's academic progress, determining eligibility for advancement to higher levels, and calculating overall grade point averages (GPAs). Subject grades provide valuable feedback to students, parents, and educators, helping to gauge strengths, areas for improvement, and overall mastery of the subject matter.

Code	Course	Units	Grade	CGPA	Units
CHEM111	CHEMISTRY	3	B	8.10	21
TA116	COMPUTER PROGRAMMING-I	3	B		
EGL112	ENGLISH LANGUAGE SKILLS	3	A		

GPA:

GPA, or Grade Point Average, is a numerical representation of a student's academic performance. It is calculated by assigning a numerical value to each grade earned in individual courses and then averaging those values. The GPA scale typically ranges from 0.0 to 10.0, although it can vary depending on the institution or country.

Each grade is assigned a corresponding grade point value, such as A = 10, B = 8, C = 6, D = 4, E = 2 and NC = 0. These values may differ slightly based on the specific grading scale used by the educational institution. The grade point value is then multiplied by the credits of the respective course to calculate the grade points earned.

CGPA:

CGPA, or Cumulative Grade Point Average, is a measure of a student's overall academic performance throughout their academic program. It is calculated by averaging the Grade Point Average (GPA) of all the completed semesters or academic years.

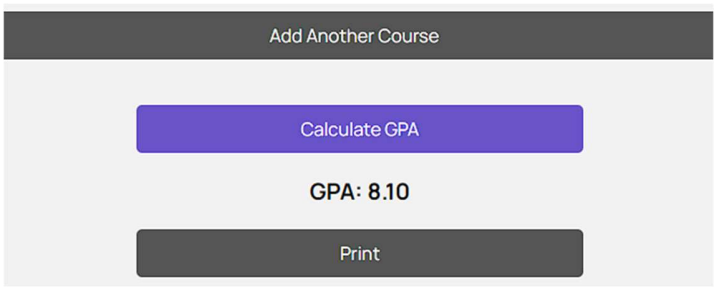
Year	Semester	Code	Course	Units	Grade	CGPA	Units
2021 - 2022	I	CHEM111	CHEMISTRY	3	B	8.10	21
		TA116	COMPUTER PROGRAMMING-I	3	B		
		EGL112	ENGLISH LANGUAGE SKILLS	3	A		
		EVS117	ENVIRONMENTAL SCIENCE	2	C		
		MATH113	LINEAR AGEBRA	3	B		
		PHY114	PHYSICS-I	3	B		
		TA126	WORKSHOP PRACTICE	4	B		
	II	TA127	Computer Programming-II	3	A	8.19	42

1. GPA Calculator

To calculate GPA of a semester simply insert the credits and grades of the semester in the 'Calculate GPA' page.

Year	Semester	Code	Course	Units	Grade	CGPA	Units
2021 - 2022	I	CHEM111	CHEMISTRY	3	B	8.10	21
		TA116	COMPUTER PROGRAMMING-I	3	B		
		EGL112	ENGLISH LANGUAGE SKILLS	3	A		
		EVS117	ENVIRONMENTAL SCIENCE	2	C		
		MATH113	LINEAR AGEBRA	3	B		
		PHY114	PHYSICS-I	3	B		
		TA126	WORKSHOP PRACTICE	4	B		

Output:



Click on add another course if you need to include an additional course in the semester.

In this page you can only calculate the GPA of a semester.

CGPA Calculation will be available in the next page i.e., 'Estimate CGPA'.

2. CGPA Calculator

i. CGPA Calculator with Credits and Grades

If you wish to calculate your overall CGPA you can enter the credits and grades of the current semester and the CGPA (previous) you have achieved up to this semester along with the total credits up to the same semester.

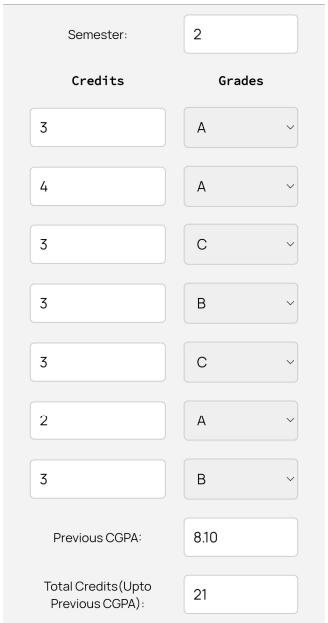
Here's an example,

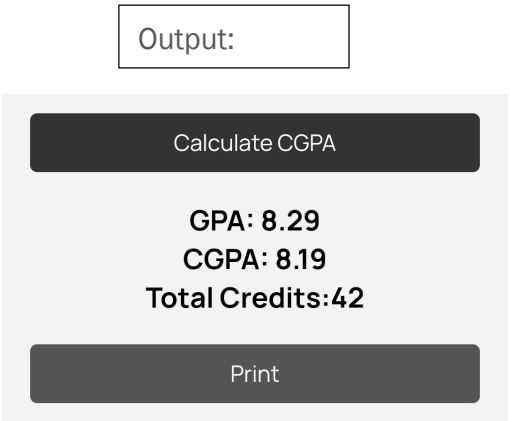
Units	Grade	CGPA	Units
3	B	8.10	21
3	B		
3	A	Sem-1	
2	C		
3	B		
3	B		
4	B		

3	A
4	A
3	C
3	B
3	C
2	A
3	B

Sem-2

In this example, let's say you have secured a CGPA of 8.10 with a total credits of 21 up to Sem-1 and you have the grades and credits of the Sem-2 you can now calculate the CGPA you will score up to the Sem-2 by inserting these values in the CGPA Calculator.





Here, you will receive the GPA of the Sem-2, the overall CGPA up to Sem-2 and the total credits up to Sem-2.

Here's the proof:

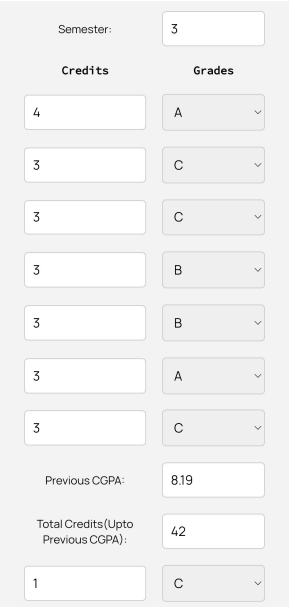
Semester	Code	Course	Units	Grade	CGPA	Units
I	CHEM111	CHEMISTRY	3	B	8.10	21
	TA116	COMPUTER PROGRAMMING-I	3	B		
	EGL112	ENGLISH LANGUAGE SKILLS	3	A		
	EVS117	ENVIRONMENTAL SCIENCE	2	C		
	MATH113	LINEAR AGEBRA	3	B		
	PHY114	PHYSICS-I	3	B		
	TA126	WORKSHOP PRACTICE	4	B		
II	TA127	Computer Programming-II	3	A	8.19	42
	TA115	Engineering Graphics	4	A		
	MATH123	Higher Calculus	3	C		
	PHY124	Physics-II	3	B		
	AO122	Probability & Statistics	3	C		
	TA125	Scientific Measurements	2	A		
	ES121	Thermodynamics	3	B		

In the next page you can find a method to estimate your next semester CGPA. Please check it out.

With this tool you can also **Estimate** the CGPA for the next semester, here's how.

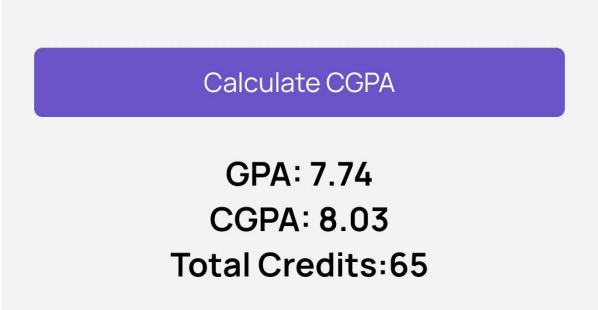
Let's say you are currently in Sem-3 and you know that you have already scored a CGPA of 8.19 with a total of 42 credits and you wish to know what will be your CGPA after the Sem-3.

Now simply insert the estimated or expected grades and credits of the courses of the Sem-3 along with the Previous CGPA and Total Credits.



Let's say these are my expected grades and credits in the Sem-3 with a previous CGPA of 8.19 and previous total credits of 42

Output:



You will get the GPA of the Sem-3, overall CGPA up to the Sem-3 and the Total credits.

Here's the proof:

II	TA127	Computer Programming-II	3	A	8.19	42
	TA115	Engineering Graphics	4	A		
	MATH123	Higher Calculus	3	C		
	PHY124	Physics-II	3	B		
	AO122	Probability & Statistics	3	C		
	TA125	Scientific Measurements	2	A		
	ES121	Thermodynamics	3	B		
III	EC101	Basic Electronics	4	A	8.03	65
	CS221	Data Structures	3	C		
	CS203	Design and Analysis of Algorithms	3	C		
	MA207	Differential Equations & Fourier Series	3	B		
	MA202	Discrete Mathematics	3	B		
	MG201	Economics for Engineers	3	A		
	DS101	Introduction to DS and AI	3	C		
	CR201	Power Skill - I	3	C		

ii. CGPA Estimator with GPA

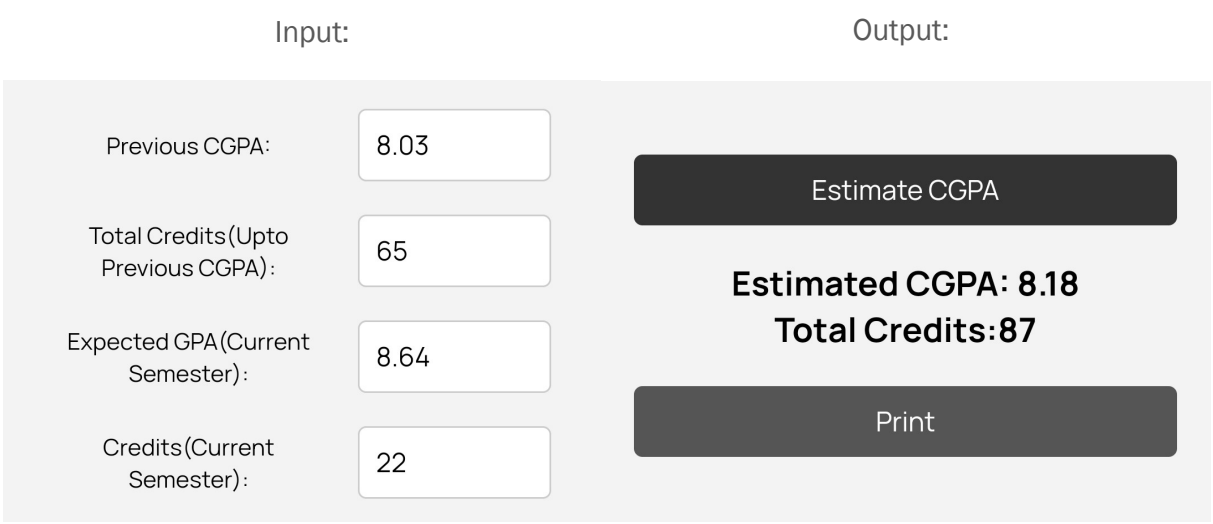
With this tool you will be able to estimate your overall CGPA by inserting the Previous CGPA, Total Credits up to the previous CGPA along with the Expected GPA and Total credits of the current semester.

Here's an example:

Let's say you are currently in Sem-4 and you want to know what will be your CGPA if you get certain GPA in Sem-4.

You already know that your previous CGPA is 8.03 and previous Total Credits are 65.

You are expecting a GPA of 8.64 in the Sem-4 in which the total credits are 22.



And here's the proof:

2022 - 2023	III	EC101	Basic Electronics	4	A	8.03	65
		CS221	Data Structures	3	C		
		CS203	Design and Analysis of Algorithms	3	C		
		MA207	Differential Equations & Fourier Series	3	B		
		MA202	Discrete Mathematics	3	B		
		MG201	Economics for Engineers	3	A		
		DS101	Introduction to DS and AI	3	C		
		CR201	Power Skill - I	3	C		
	IV	CS204	Computer organization and Architecture	3	A	8.18	87
		DS203	Data Science	3	C		
		CS206	Database Management Systems	3	A		
		HS201	Dynamics of Social Changes	3	A		
		EC102	Fundamentals of Signal Processing	3	B		
		CR202	Power Skill - II	1	A		
		EG102	PROFESSIONAL COMMUNICATION	3	B		
		CS205	Web Enabled Technologies	3	B		

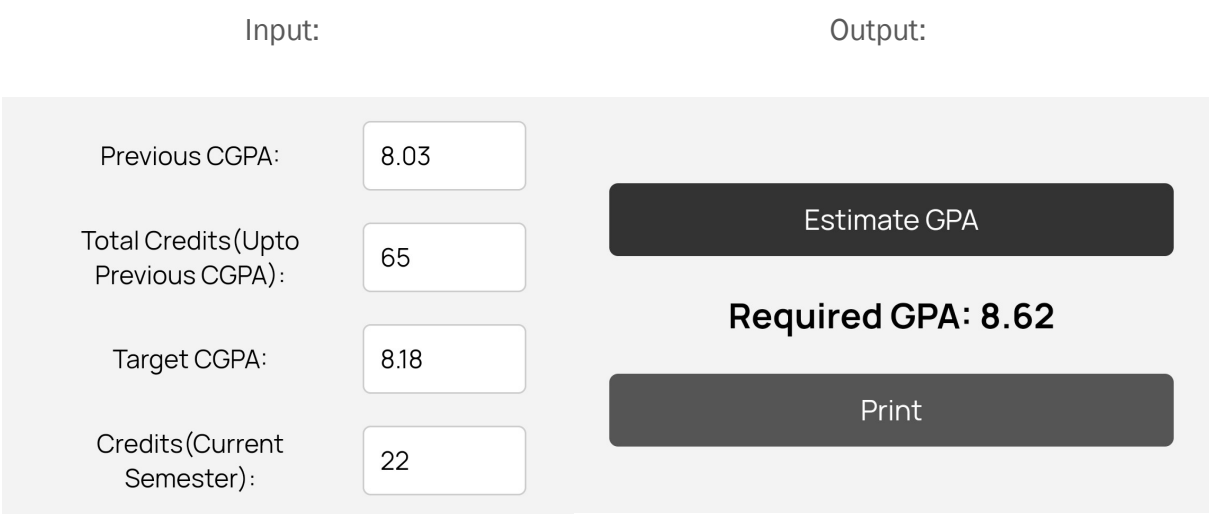
3. GPA Estimator

With this tool you can determine the GPA in a semester required in order to achieve a target CGPA by inserting the Previous CGPA and previous total credits along with the targeted CGPA and total credits of the current semester.

Here's an example:

Let's say you are currently in Sem-3 and have a CGPA of 8.03 and total credits of 65 up to that CGPA.

And you are expecting to achieve a target CGPA of 8.18 for the Sem-3 which has a total credits of 22.



You will get the required GPA of Sem-3 to achieve a CGPA of 8.18.

Note: Please be aware that the estimates provided by the tool are **approximate** and not absolute. While I strive to ensure accuracy, there may be slight variations with an approximate error of **0.02**. Factors such as rounding methods, grading scales, and individual course requirements can contribute to these slight discrepancies. We recommend using the estimates as a general guide and consulting with your institution or academic advisor for precise calculations.

Additional Features:

'Add another course' button:

You can add as many courses as you want by clicking this button whenever required.

'Interchange columns' button:

By clicking this button, you will be able to switch the Credits and Grades input sections as per your convenience.

'Print' button:

You can print the results of the calculations or take the screenshot for future references by clicking this button.

Others:

You can always use the 'Page Info' and 'Need Help?' sections for any assistance in the website.

Conclusion:

In conclusion, I hope this guide has provided you with valuable insights and instructions for using the GPA Calculator Tool. Remember, calculating your GPA is just one aspect of your academic journey, and it's essential to consider the broader context of your educational experience. Whether you're a student striving for academic excellence, an educator supporting students' growth, or someone curious about GPA calculations, I encourage you to use this tool as a helpful resource.

Keep in mind that GPA is not the sole measure of your abilities or potential. It's important to embrace a holistic approach to learning, focusing on personal growth, skills development, and the pursuit of knowledge. Use your GPA as a reflection of your progress, and remember that setbacks or fluctuations in grades are part of the learning process.

I wish you all the best in your academic endeavors and hope that the GPA Calculator Tool assists you in navigating the complexities of academic achievement. May your journey be filled with learning, growth, and success!

Feel free to give your feedback at:

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Warm regards,

Sai Yaswanth