

# How to Compute your Grade

In Economics 101 you receive 5 grades: 3 midterm grades counting 20% each, a final exam grade counting 30% and a TA grade counting 10%. For each of these 5 items you receive a letter grade which is converted to a GPA score:

How Letter Grades Correspond to GPA Grades										
A	A-	B+	B	B-	C+	C	C-	D+	D	F
4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.0

At the end of the course, the final GPA scores are computed using the following formula:

$$FinalGPA = 0.2 \times GPA_{midterm1} + 0.2 \times GPA_{midterm2} + 0.2 \times GPA_{midterm3} + 0.3 \times GPA_{finalexam} + 0.1 \times GPA_{TA}$$

Your Final GPA is converted to a letter grade by using the GPA ranges below:

How Final GPA Scores Convert to Final Letter Grade Reported to Registrar										
A	A-	B+	B	B-	C+	C	C-	D+	D	F
3.85-4.0	3.50-3.849	3.150-3.49	2.85-3.149	2.50-2.849	2.15-2.49	1.85-2.149	1.50-1.849	1.15-1.49	0.85-1.149	0.0-0.849

So, you can estimate your final grade by plugging in the information you have from previous tests and estimating your scores from future work. Below, you will find the grade cutoffs from the three midterms.

## Midterm 1

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Grade	Score Range	Grade Point	Number	Percent		
A	94-100	4.0	27	10.93%	0.44	
A-	90-93.9	3.7	21	8.50%	0.31	
B+	87-89.9	3.3	32	12.96%	0.43	
B	84-86.9	3.0	34	13.77%	0.41	
B-	80-83.9	2.7	33	13.36%	0.36	
C+	75-79.9	2.3	27	10.93%	0.25	
C	60-74.9	2.0	56	22.67%	0.45	
C-	50-59.9	1.7	14	5.67%	0.10	
D+	38-49.9	1.3	3	1.21%	0.02	
D	30-37.9	1.0	0	0.00%	0.00	
F	0-29.9	0.0	0	0.00%	0.00	
			247	100.00%	2.77	<b>Grade Point Average</b>

## Midterm 2

<b>Grade</b>	<b>Score Range</b>	<b>Grade Point</b>	<b>Number</b>	<b>Percent</b>		
A	87-100	4.0	13	5.35%	0.21	
A-	74-86.9	3.7	35	14.40%	0.53	
B+	70-73.9	3.3	17	7.00%	0.23	
B	65-69.9	3.0	24	9.88%	0.30	
B-	63-64.9	2.7	12	4.94%	0.13	
C+	60-62.9	2.3	23	9.47%	0.22	
C	52-59.9	2.0	49	20.16%	0.40	
C-	47-51.9	1.7	30	12.35%	0.21	
D+	38-46.9	1.3	26	10.70%	0.14	
D	33-37.9	1.0	11	4.53%	0.05	
F	0-32.9	0.0	3	1.23%	0.00	
			243	100.00%	2.42	<b>Grade Point Average</b>

### Midterm 3

<b>Grade</b>	<b>Score Range</b>	<b>Grade Point</b>	<b>Number</b>	<b>Percent</b>		
A	89-100	4.0	16	6.61%	0.26	
A-	80-88.9	3.7	42	17.36%	0.64	
B+	77-79.9	3.3	20	8.26%	0.27	
B	72-76.9	3.0	31	12.81%	0.38	
B-	70-71.9	2.7	12	4.96%	0.13	
C+	67-69.9	2.3	25	10.33%	0.24	
C	58-66.9	2.0	50	20.66%	0.41	
C-	50-57.9	1.7	28	11.57%	0.20	
D+	40-49.9	1.3	15	6.20%	0.08	
D	30-39.9	1.0	2	0.83%	0.01	
F	0-29.9	0.0	1	0.41%	0.00	
			242	100.00%	2.63	<b>Grade Point Average</b>