# Calculating Your GPA in College

# Introduction to GPA

- GPA stands for Grade Point Average.
- It is a measure of academic performance in college.
- Understanding how to calculate your GPA is essential for academic success.

# Understanding Letter Grades

- Each letter grade corresponds to a specific point value:
- A = 4 points
- B = 3 points
- C = 2 points
- D = 1 point
- F = 0 points

# Credit Hours Explained

- Credit hours represent the weight of each course.
- Courses can have different credit values (e.g., 1, 2, 3, or 4 credits).

# Calculating Quality Points

- Quality Points = Credit Hours × Points for Letter Grade.
- Example: If you receive a B (3 points) in a 3-credit course:
- Quality Points = 3 × 3 = 9 points.

# Example Course Grades

- Let's say you have the following grades:
- Chemistry: B (3 credits)
- Physics: D (3 credits)
- Chemistry Lab: C (1 credit)
- Calculus: A (4 credits)
- PE: A (2 credits)

# Calculating Total Credit Hours

- Total Credit Hours = Sum of all credit hours.
- Example: 3 (Chemistry) + 3 (Physics) + 1 (Lab) + 4 (Calculus) + 2 (PE) = 13 credits.

# Calculating Total Quality Points

- Total Quality Points = Sum of all quality points.
- Example: 9 (Chemistry) + 3 (Physics) + 2 (Lab) + 16 (Calculus) + 8 (PE) = 38 points.

# Calculating Your GPA

- GPA = Total Quality Points ÷ Total Credit Hours.
- Example: 38 ÷ 13 = 2.923.

# Understanding GPA Ranges

- A GPA of 4.0 indicates straight A's.
- A GPA of 3.0 indicates straight B's.

# New Example for Practice

- Let's change the grades and credit hours:
- Chemistry: A (4 credits)
- Physics: B (4 credits)
- Lab: A (1 credit)
- Calculus: B (3 credits)
- PE: A (3 credits)
- Can you calculate the new GPA for this scenario?

# Calculating New Quality Points

- Quality Points for new example:
- Chemistry: 4 × 4 = 16
- Physics: 4 × 3 = 12
- Lab: 1 × 4 = 4
- Calculus: 3 × 3 = 9
- PE: 3 × 4 = 12

# Calculating New Total Credit Hours

- Total Credit Hours = 4 + 4 + 1 + 3 + 3 = 15.

# Calculating New Total Quality Points

- Total Quality Points = 16 + 12 + 4 + 9 + 12 = 53.

# Calculating New GPA

- New GPA = Total Quality Points ÷ Total Credit Hours.
- Example: 53 ÷ 15 = 3.53.