



Tests

Course Structure

The course grade is calculated as a weighted total of a programming assignment grade (40%), a homework assignment grade (10%), a mid-term exam grade (20%), and a final exam grade (30%).

The programming assignment grade is the total of 6 programming assignments each of which is graded on a 20-point scale but the lowest grade is dropped.

The homework assignment grade is the total of 5 programming assignments each of which is graded on a 20-point scale.

The mid-term exam is graded on a 100-point scale.

The final exam is graded on a 100-point scale.

Complete 01

PA1: 20

PA2: 18

PA3: 5

PA4: 15

PA5: 20

PA6: 20

Programming Assignments: $20 + 18 + 15 + 5 + 20 + 20 = 93$

H1: 20

H2: 0

H3: 5

H4: 10

H5: 15

Homework: $20 + 0 + 5 + 10 + 15 = 50$

Midterm Exams: 80

Final Exams: 75

Course: $93 \cdot 0.4 + 50 \cdot 0.1 + 80 \cdot 0.2 + 75 \cdot 0.3 = 37.2 + 5.0 + 16.0 + 22.5 = 80.7$

Complete 02

PA1: 20

PA2: 20

PA3: 20

PA4: 20

PA5: 20

PA6: 20

Programming Assignments: $20 + 20 + 20 + 20 + 20 = 100$

H1: 20

H2: 20

H3: 20

H4: 20

H5: 20

Homework: $20 + 20 + 20 + 20 + 20 = 100$

Midterm Exams: 100

Final Exams: 100

Course: $100 \cdot 0.4 + 100 \cdot 0.1 + 100 \cdot 0.2 + 100 \cdot 0.3 = 40 + 10 + 20 + 30 = 100$

Complete 03

PA1: 10

PA2: 10

PA3: 5

PA4: 15

PA5: 5

PA6: 20

Programming Assignments: $10 + 10 + 15 + 5 + 20 = 60$

H1: 20

H2: 0

H3: 0

H4: 10

H5: 15

Homework: $20 + 0 + 0 + 10 + 15 = 45$

Midterm Exams: 60

Final Exams: 45

Course: $60 \cdot 0.4 + 45 \cdot 0.1 + 60 \cdot 0.2 + 45 \cdot 0.3 = 24 + 4.5 + 12 + 13.5 = 54$

Missing All

PA1:

PA2:

PA3:

PA4:

PA5:

PA6:

Programming Assignments: $0 + 0 + 0 + 0 + 0 = 0$

H1:

H2:

H3:

H4:

H5:

Homework: $0 + 0 + 0 + 0 + 0 = 0$

Midterm Exams:

Final Exams:

Course: $0 \cdot 0.4 + 0 \cdot 0.1 + 0 \cdot 0.2 + 0 \cdot 0.3 = 0$

Missing One in One Category

PA1: 20

PA2: 18

PA3: 5

PA4: 15

PA5: 20

PA6: 20

Programming Assignments: $20 + 18 + 15 + 20 + 20 = 93$

H1: 20

H2:

H3: 5

H4: 10

H5: 15

Homework: $20 + 0 + 5 + 10 + 15 = 50$

Midterm Exams: 80

Final Exams: 75

Course: $93 \cdot 0.4 + 50 \cdot 0.1 + 80 \cdot 0.2 + 75 \cdot 0.3 = 37.2 + 5.0 + 16.0 + 22.5 = 80.7$

Missing One in Each Category

PA1: 20

PA2: 18

PA3: 5

PA4: 15

PA5:

PA6: 20

Programming Assignments: $20 + 18 + 5 + 15 + 20 = 78$

H1: 20

H2: 5

H3: 0

H4:

H5: 15

Homework: $20 + 5 + 0 + 0 + 15 = 40$

Midterm Exams:

Final Exams:

Course: $78 \cdot 0.4 + 40 \cdot 0.1 + 0 \cdot 0.2 + 0 \cdot 0.3 = 31.2 + 4.0 + 0.0 + 0.0 = 35.2$

Missing Multiple in Each Category

PA1:

PA2: 20

PA3: 5

PA4: 15

PA5:

PA6:

Programming Assignments: $20 + 5 + 15 + 0 + 0 = 40$

H1: 20

H2:

H3: 0

H4:

H5: 15

Homework: $20 + 0 + 0 + 0 + 15 = 35$

Midterm Exams:

Final Exams:

Course: $40 \cdot 0.4 + 35 \cdot 0.1 + 0 \cdot 0.2 + 0 \cdot 0.3 = 16 + 3.5 + 0 + 0 = 19.5$