

MATH 110 - QUIZ 11 - 9 NOVEMBER 2006

Answer all of the following questions in the space provided.

1. (5 pts.) Seven colleges offering bachelors degrees at GMU are the following: College of Science (COS), College of Liberal Arts and Human Sciences (LAHS), School of Info. Technology and Engr. (SITE), School of Management (SOM), the College of Health and Human Services (CHHS), College of Education and Human Development (CHED) and the College of Visual and Performing Arts (VPA). The number of students with declared majors in each of these schools is given below.

COS 11500 ; LAHS 6000 ; SITE 5500 ; SOM 4500 ; CHHS 2500 ; VPA 2000; CHED 5000

Display the *percentage* data from this table in a bar chart.

Total = 37000

Percentages:

$COS = \frac{11500}{37000} \approx .31$

$LAHS = \frac{6000}{37000} \approx .16$

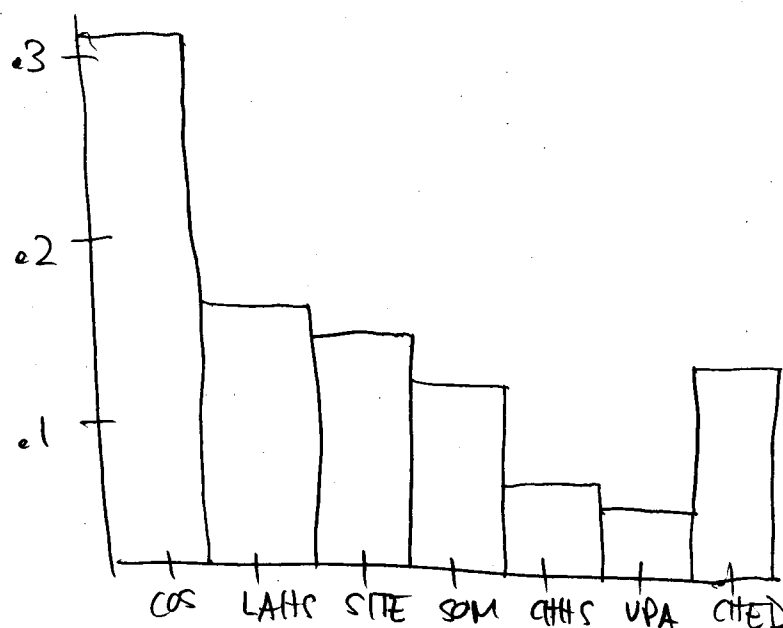
$SITE = \frac{5500}{37000} \approx .15$

$SOM \approx .12$

$CHHS \approx .07$

$VPA \approx .05$

$CHED \approx .14$



2. (5 pts.) The following data are the scores on a quiz given in a certain math class. Find the 5-number summary of this data (that is, find the minimum, maximum,  $Q_1$ ,  $Q_2$ , and  $Q_3$ ).

7, 8, 9, 6, 6, 10, 2, 10, 5, 7, 7, 9, 8, 7, 10, 8, 10, 2, 7, 2, 8, 9

2, 2, 2, 5, 6, 6, 7, 7, 7, 7, 7, 8, 8, 8, 8, 9, 9, 9, 10, 10, 10, 10

min = 2

$Q_1 = 6$

$Q_2 = 7.5$

$Q_3 = 9$

max = 10