

Weighting.

Weighting is a system that turns categories into fixed percentages of a final score. All scores in a category sum up, and the percentage earned is added proportionally to the percentage earned in all categories, the sum being the final score.

For example:

| <b>Category: Test</b>           |              | <b>Weight: 50%</b>      |  |
|---------------------------------|--------------|-------------------------|--|
| Test 1                          | 40/50        | 80%                     |  |
| Test 2                          | 25/30        | 83%                     |  |
| <b>Total</b>                    | <b>65/80</b> | <b>81%</b>              |  |
| <b>Weighted Value of Tests:</b> |              | <b>81% x 50%= 40.5%</b> |  |

| <b>Category: Papers</b>         |              | <b>Weight: 33%</b>       |  |
|---------------------------------|--------------|--------------------------|--|
| Paper 1                         | 40/50        | 80%                      |  |
| Paper 2                         | 25/30        | 83%                      |  |
| <b>Total</b>                    | <b>65/80</b> | <b>81%</b>               |  |
| <b>Weighted Value of Paper:</b> |              | <b>81% x 33%= 25.75%</b> |  |

| <b>Category: Homework</b>       |              | <b>Weight: 17%</b>     |  |
|---------------------------------|--------------|------------------------|--|
| Homework 1                      | 50/50        | 100%                   |  |
| Homework 2                      | 30/30        | 100%                   |  |
| <b>Total</b>                    | <b>80/80</b> | <b>100%</b>            |  |
| <b>Weighted Value of Paper:</b> |              | <b>100% x 17%= 17%</b> |  |

| <b>Total Weighted %</b>  |        | <b>Total Weight: 100%</b> |  |
|--------------------------|--------|---------------------------|--|
| Category                 | Weight | Weighted %                |  |
| Tests                    | 50%    | 40.5%                     |  |
| Paper                    | 33%    | 25.75%                    |  |
| Homework                 | 17%    | 17.0%                     |  |
| <b>Total Weighted %:</b> |        | <b>83.25%</b>             |  |

Because some categories are not used till later in the year, for example Final Exam, weights are reapportioned to equal 100% if they do not total 100% for score work. For example, if in the above case, there were no papers yet graded, scores would be calculated as follows:

Since the total weight of Tests and Homework is 67%, the weights are reapportioned:

| <b>Total Weighted %</b>  |        | <b>Total Weight: 67%</b> |            |
|--------------------------|--------|--------------------------|------------|
| Category                 | Weight | Reapportion              | New Weight |
| Tests                    | 50%    | 50% / 67%                | 74.6%      |
| Homework                 | 17%    | 17.% / 67%               | 23.4%      |
| <b>Total Weighted %:</b> |        | <b>83.25%</b>            |            |

| <b>Category: Test</b>           |              | <b>Weight: 74.6%</b>      |  |
|---------------------------------|--------------|---------------------------|--|
| Test 1                          | 40/50        | 80%                       |  |
| Test 2                          | 25/30        | 83%                       |  |
| <b>Total</b>                    | <b>65/80</b> | <b>81%</b>                |  |
| <b>Weighted Value of Tests:</b> |              | <b>81% x 74.6%= 60.4%</b> |  |

| <b>Category: Homework</b>       |              | <b>Weight: 23.4%</b>       |  |
|---------------------------------|--------------|----------------------------|--|
| Homework 1                      | 50/50        | 100%                       |  |
| Homework 2                      | 30/30        | 100%                       |  |
| <b>Total</b>                    | <b>80/80</b> | <b>100%</b>                |  |
| <b>Weighted Value of Paper:</b> |              | <b>100% x 23.4%= 23.4%</b> |  |

| <b>Total Weighted %</b>  |        | <b>Total Weight: 100%</b> |  |
|--------------------------|--------|---------------------------|--|
| Category                 | Weight | Weighted %                |  |
| Tests                    | 74.6%  | 60.4%                     |  |
| Homework                 | 23.4%  | 23.4%                     |  |
| <b>Total Weighted %:</b> |        | <b>83.80%</b>             |  |

As new categories are used, the weighted proportions change, but always equal a total of 100%