

Criteria for assessing GRA slots for units.

These measures will be ranked based on the importance (largest #assigned to the most important) by each unit. If a unit ranks some criteria to be equally important, then an average rank must be used. e.g. If criteria 7 and 8 are both equally and most important, each will get a rank of 7.5. Ranks of units will be averaged across each criterion and will be used as weights for each measure. The weighted average of scaled values of these measures will be used to find an optimal slot allocation.

1. Annual Average #of PhDs per Assistantship (over 5 years)
Average # of degrees/#of assistantships.
This measures efficiency and contribution to Tier 1 status of the university. Larger values indicate better performance.
2. Median # of years on a GRA stipend for the PhD. If students are admitted to the PhD with bachelors, subtract five semesters.
This provides information on progress/efficiency. Smaller values indicate better performance.
3. % of students solely on external funding for the entirety of their doctoral work.
This measures the research/educational support provided by faculty in each unit and higher %s are better indicators of performance.
4. % of GRAs on support from a grad school GRA for the entire period of their doctoral education.
Some units only use two years of grad school support and follow up with support from research funding. This measures the level of unit's contribution towards graduate education. Lower %s are indicators of better performance.
5. # students per grad faculty.
This shows success of programs. Higher numbers indicate higher success of programs.
6. Attrition rate.
Efficiency of a program. Smaller the better
7. Enrollment rate
Effectiveness in recruiting and a measure of reputation. Higher the better
8. Faculty research output. e.g. publications per year per faculty member.
This measures faculty productivity and higher numbers are indicators of better performance.

Other numerically measurable criteria??

Need data for all units for any additional criteria.

Data: Use available data from Cards Analytics and Institutional Research. May need information from Associate Deans on some items.

Plan: Calibrate the model using updated information every year for a revised allocation strategy. Would like to ask each DGS/Chair to collect information on each criterion every year starting this year (August 2022-July 2023) and submit it to the graduate school. This will provide a mechanism to assess accuracy of data and create a robust data set moving forward.