

THE RULES

These are the rules given to us from Sarah Garner: Help automate scheduling TAs and Graders for Math courses each quarter. Matching TAs and graders to courses follow sets of rules but also needs to avoid time conflicts and honor content preferences. It is a complex puzzle, currently done by hand.

- (1) TAs: run 100-level quiz sections and must cover exactly two sections under the same lecture letter (e.g. AA/AB not AA/CD). Avoid time conflicts for TAs and quiz sections.
- (2) Faculty-requested placements are handled first.
- (3) The majority of 100-level TA positions need to be filled before upper-division.
- (4) 200 - 400-level grader positions should be assigned by grad student seniority and content preferences
- (5) 1st year grads only TA in Math 124 or Math 125 (this rule overrides time conflicts and preferences)
- (6) 2nd year grads will TA any open positions in Math 120/124/125/126 (this rule overrides time conflicts and preferences)
- (7) Grad students who did not submit any TA request information get placed last to fill remaining positions.

You will be given a list of classes, how many TAs/Graders need to get assigned to the course, and a spreadsheet of graduate student assignment requests that includes content preferences and time conflict information.