

“Rewritten Quiz + Reflection” Guidelines

Take the following two steps:

1. Re-writing the quiz solution: After the quiz solutions have been posted and the quiz grades have been released, make an attempt to understand the correct solution to the problems for which you did not obtain full points. Once you have gained good understanding, re-write the solution to the problems where you did not obtain full score **in your own words**. If you copy-paste solution or produce the same counter-example at this point, you will hurt your chances of succeeding in the class.

Add a reflection:

(i) Describe the mistake that was made in this problem (Goal: to recognize the mistake and not make it again), and (ii) Describe what *new learning* that has occurred in the re-writing of your solution (Goal: to recognize that you have learnt something new which you can hopefully use in future).

Example 1:

- (i) I forgot to apply the chain rule while taking the derivative of $\ln f(n)$.
- (ii) Derivative of $\ln f(n)$ is not simply $1/f(n)$ but $f'(n)/f(n)$

Example 2:

- (i) I broke the sum $\sum i \cdot a^i$ as two separate sums: $\sum i \cdot \sum a^i$. This is incorrect.
- (ii) A good way to understand sums is to write them down explicitly such as:
 $\sum i \cdot a^i = a + 2a^2 + \dots + n \cdot a^n$

Example 3: (AN EXAMPLE to be AVOIDED¹)

- (i) I ran out of time. [This explanation will be awarded zero points because you are allowed more time to continue taking the quiz till it was completed].

Submit the above document on canvas under “Re-submitted Quizzes”.

2. One-to-One Virtual Engagement (Explanation Sessions with Teaching Staff): Every student will be asked to explain the homework or quiz solutions during 1-1 virtual meetings with the teaching staff on a weekly basis. Points may be allocated to homework, quiz, or examination only if student can explain the solution (and negative penalty points may be imposed if student is unable to explain the solution and/or has not cited the sources).

¹ To avoid this situation, students who are unable to finish the quiz on time *may* continue taking the quiz even if the time has elapsed, complete the quiz as best as you can following same rules (resist any attempts to cheat), and submit the late quiz as soon as you can on “Good, Bad, and Ugly” and note down the extra time you took to complete the quiz and include this on the “comments section” when you submit.

You are required to engage for 10 minutes per week with a teaching staff. Teaching assistants and tutors will post their availability on canvas. You must sign up with them for 1-1 virtual meeting to seek assistance and to explain solutions to submitted homework and quizzes. If you do not sign up or do not show up or turn up late, you will be wasting very scarce time of the teaching staff, and you will be awarded negative penalty points.

Share the screen with the rewritten solution with a TA/Tutor and explain your answer. (If steps 1 and 2 are not completed in writing prior to your presentation, the TA/Tutors have been instructed *not* to accept your explanation.)