

Homework Suggestion

In Son Zeng

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Poisson process:

Single variable calculus: You may spend some time on revising the definition of **limit**, some rules of **derivatives**, including but not limited to, **product rule** and **chain rule**. Then, you may look at some rules of **integration**, including but not limit to, **u-substitution**, **trigonometry substitution**, and **integration by parts**. Then, please also take a look of **Fundamental Theorem of Calculus**; it has two parts, one about antiderivative and one about differentiation.

Multivariate calculus: If you are comfortable about the single variable calculus, you may want to look at the concept of **double integration**, but I believe the scope of double integration may not involve complicated functions.

My Office Hour:

My office hours are on **16:30 - 18:00 Tuesday** and **13:30 - 15:00 Friday**, at **USB 2165**. You may check the campus map to get to my office.

Key points during lecture:

Empty set: writing $E = \emptyset$ is acceptable, while writing $E = \{\emptyset\}$ is unacceptable since any empty set could not contain any element.

Union: Writing $A \cup B$ or $A \vee B$ are considered equivalent.

Abbreviation: Try your best not to write ME to represent “mutually exclusive” on assignments.

Last Comment:

Please inform me to fix the typos and grammatical mistakes if they exist. It is a great practice of writing and I appreciate your help!