1. **Grading standards**: I don’t suggest to use a point-by-point grading key. That would make grading very slow. Instead, the following grading standards will be used.

- **10/10** Correct method, clearly presented, correct answer. No mistakes (grade A work).
- **7-9/10** Correct method, clearly presented, almost correct answer. Displays general understanding of the concepts and methods. May contain one or more minor calculation mistakes, which don’t essentially change the structure of the correct solution. (grade B/A- work)
- **5-6/10** Displays some understanding of the underlying concepts and ideas but the solution contains significant errors in execution of the details (grade C work).
- **3-4/10** Questionable understanding of the underlying concepts and ideas and/or major errors (grade D work).
- **1-2/10** Clear lack of understanding of the issues, but some parts of the solution are not totally incorrect (grade F with partial credit).
- **0/10** The solution has no redeeming features.

2. After grading quizzes or exams, the grade will be directly recorded in the grade center on UB Learns.

3. Students are *not required to simplify answers*. For example, they don’t need to combine constant factors, simplify fractions over fractions in the denominator or write down $e^0 = 1$ or $(x^2 + 1)^{-1} = \frac{1}{x^2 + 1}$ if unnecessary. What matters the most is if students can clearly show the understanding of the key ideas and methods in Calculus. For example, when they differentiate $(x^2 + 1)^2$, the answer from the chain rule $2(x^2 + 1) \cdot 2$ is considered as a correct final answer. Students don’t need to multiply the constants.

4. If a student makes a simple calculation mistake at the end of the solution, please consider to take off one or two points. If the mistake is made at the beginning of the solution but uses the correct general strategies and methods, please consider to give at least 60% of points.

5. Students are **required to show all key steps** in the solution. A final answer without clear explanation will deserve no more than 20% of the points.