

THE CHINESE UNIVERSITY OF HONG KONG
Department of Mathematics
MATH1234 Course Name
Homework 1
Deadline: 2020-09-01 Tuesday

Notice:

- All the assignments must be submitted before the deadline.
- Each assignment should include your name and student ID number.

1. Show that

$$\|x\| = \sum_{k=0}^n \sup_{t \in [0,1]} |x^{(k)}(t)|$$

is a norm on $C^n[0, 1]$.

— *THE END* —