

## Notation Reminder

We will be looking at *dynamic systems* whose evolution *in time* is described by *differential equations* with *external inputs*.

We will not write the time variable  $t$  explicitly, so we use

$x$       instead of       $x(t)$

$\dot{x}$       instead of       $x'(t)$  or  $\frac{dx}{dt}$

$\ddot{x}$       instead of       $x''(t)$  or  $\frac{d^2x}{dt^2}$

etc.