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K.

The assignment for this learning outcome asks you to build and simulate a control system using Xcos. Guidance on how to build such a system is <u>provided in this video</u>.

## System Elements





We may think of a predicted value as the end-point of a step function. Perhaps the step function settles on 22 degrees centigrade, for example.

From this point forward, you are pretty much on your own in terms of playing about with the Xcos simulator. For the purposes of the assignment though, play close attention to the video hyperlinked on page 4.

If you go on to study Unit 54: Further Control Systems Engineering you will learn a lot more about transfer functions, Laplace Transforms and PID control.



