

ECE 2070 – AC Lecture 1

AC Circuit Elements

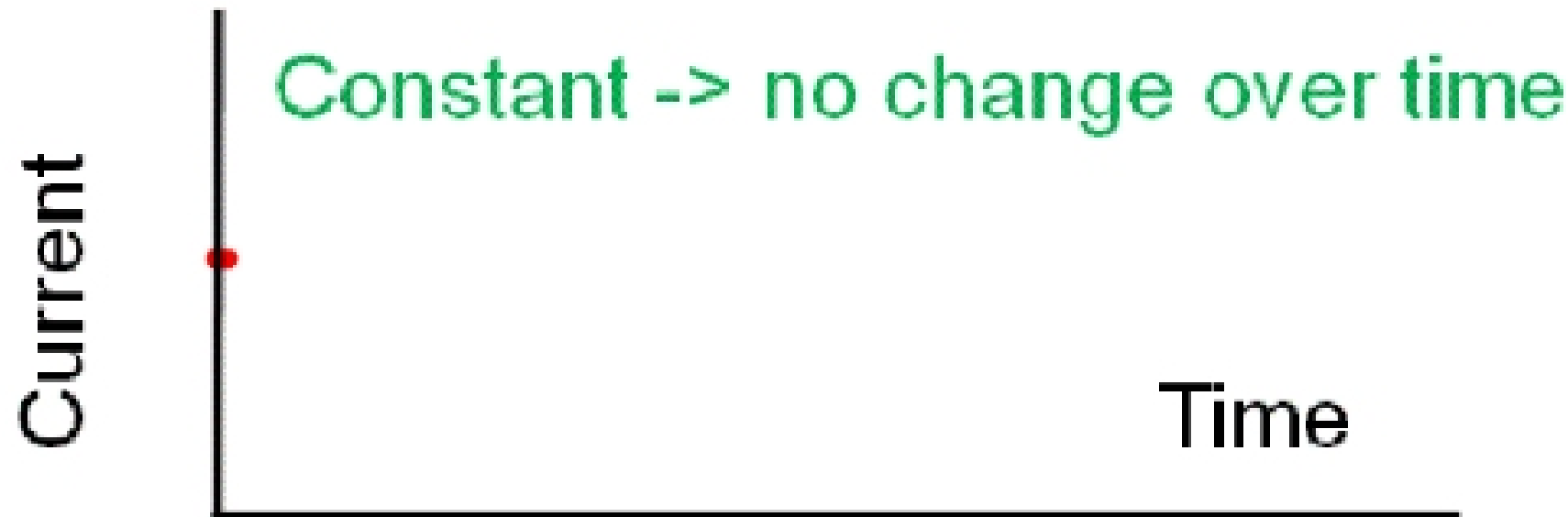


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What is an AC Circuit?

- In the first part of this course we considered **Direct Current (DC)** circuits where the current was constant for all time

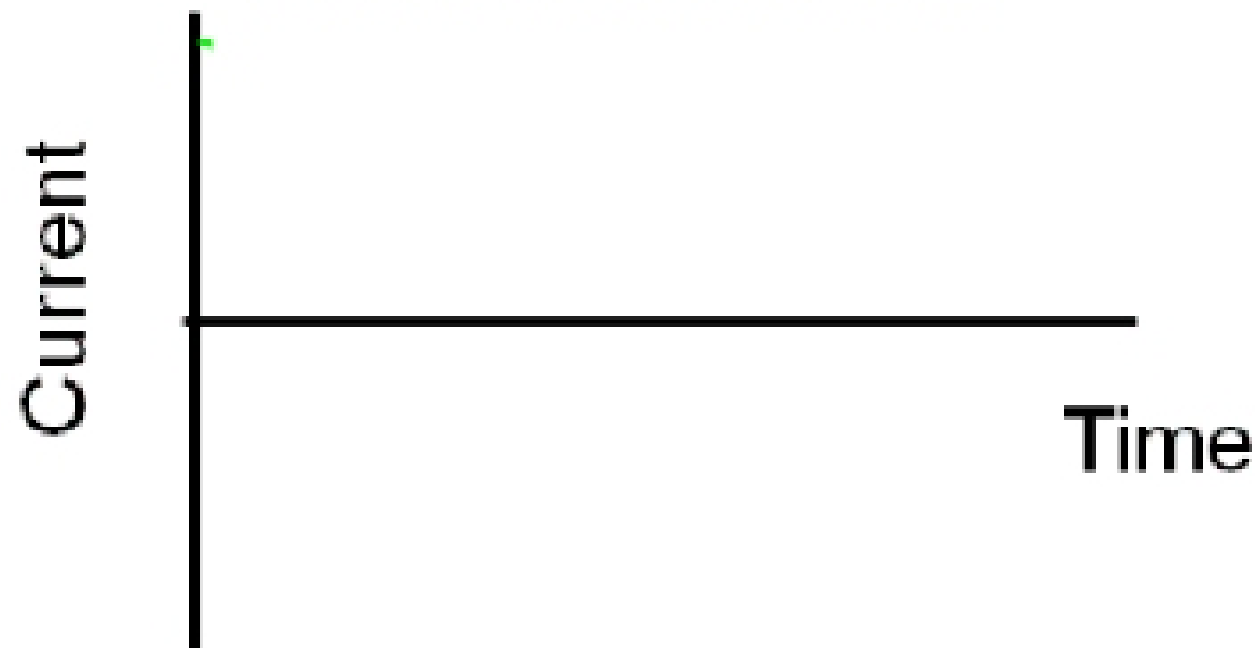


- Note that the voltages must also be constant if the currents are constant.

What is an AC Circuit?

- **Alternating Current (AC)** circuits where the current can change magnitude and direction over time.

Changes magnitude and direction over time



- Note that the voltages must also change with time as the currents change in time.