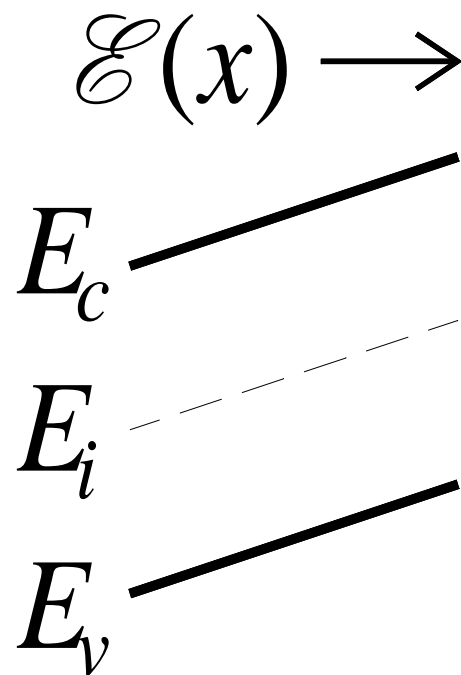


# ENERGY BAND DIAGRAM

## Effect of an electric field



$$\mathcal{E}(x) = -\frac{dV(x)}{dx} = \frac{1}{q} \frac{dE_i}{dx}$$