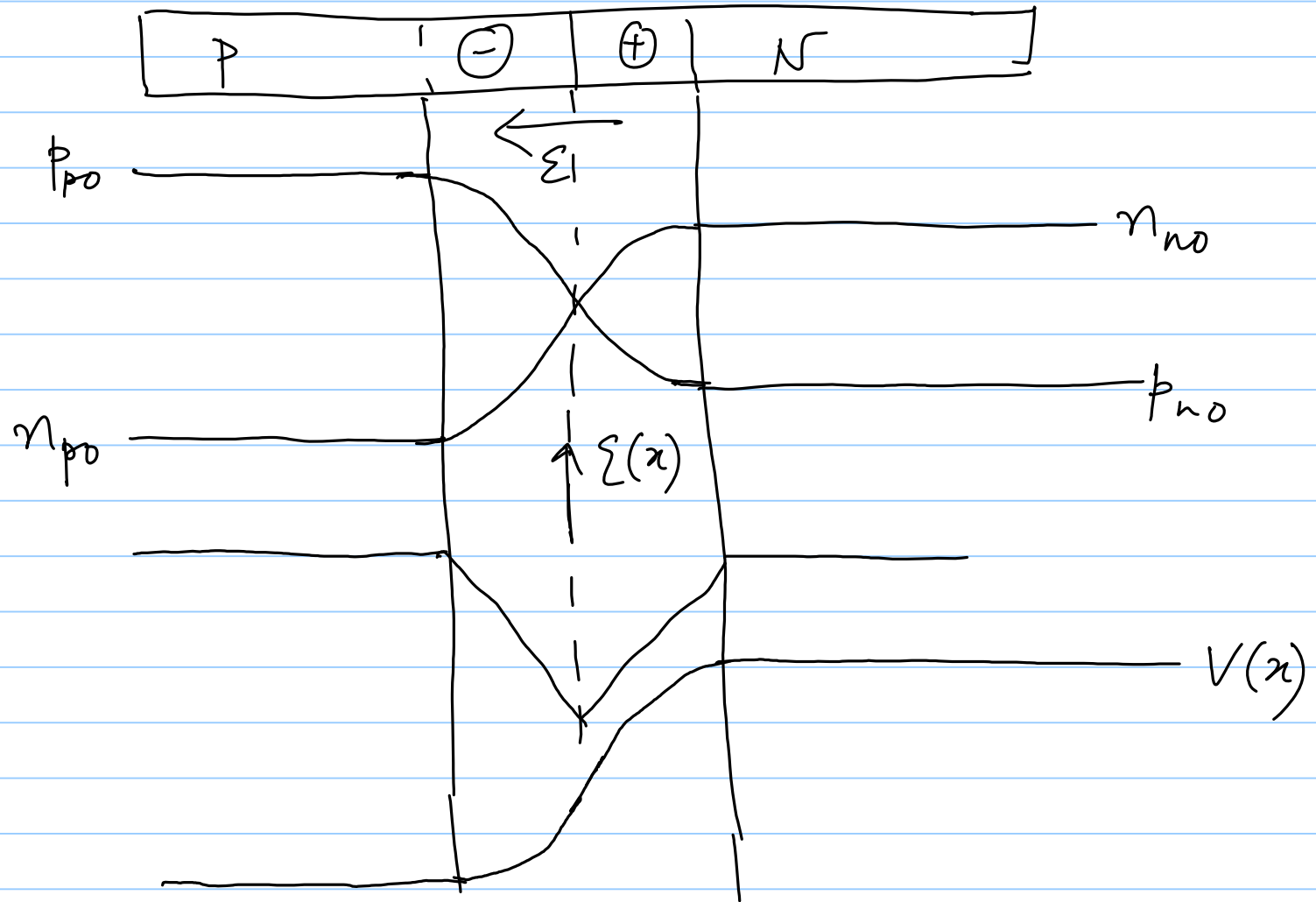
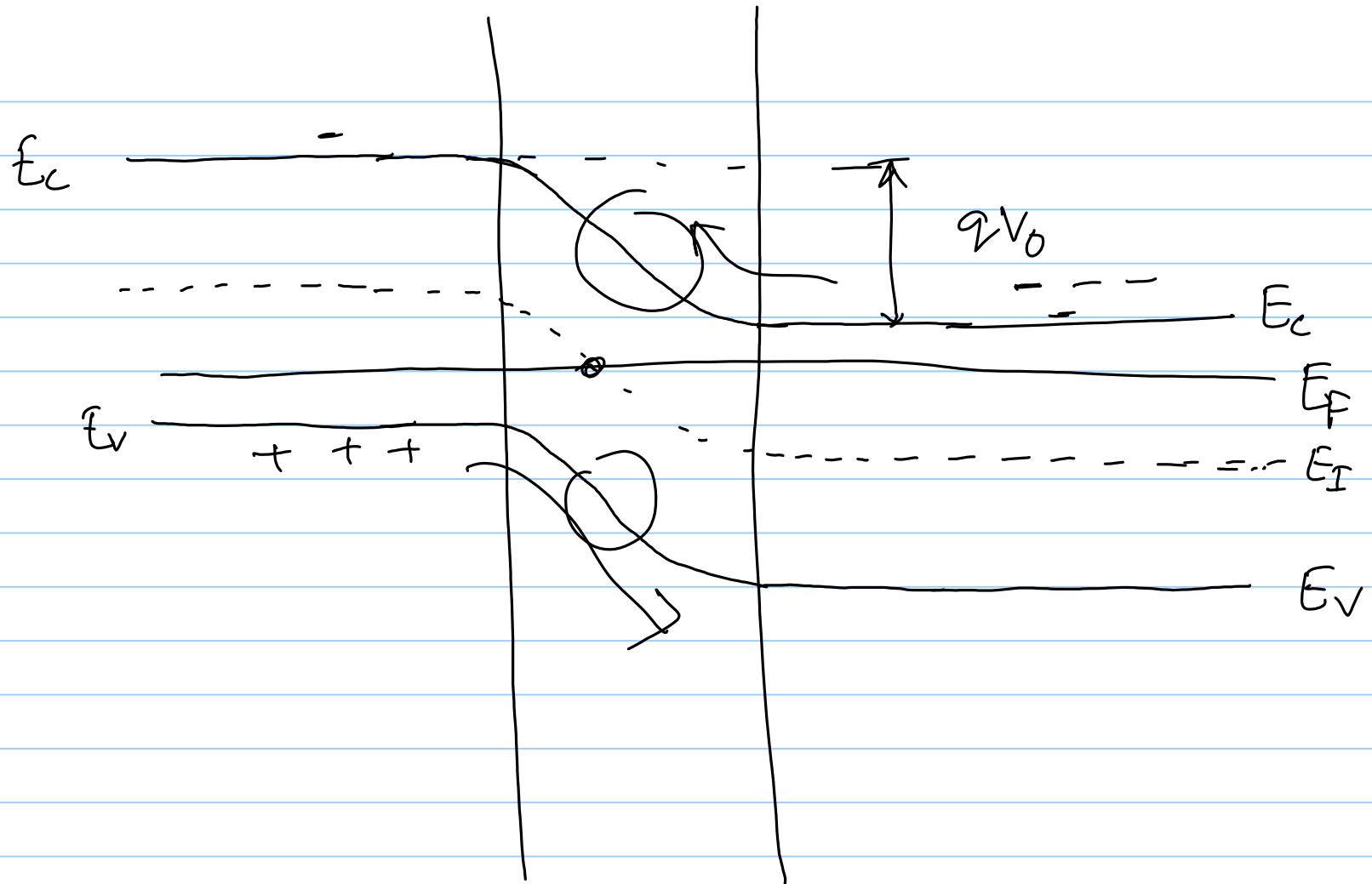
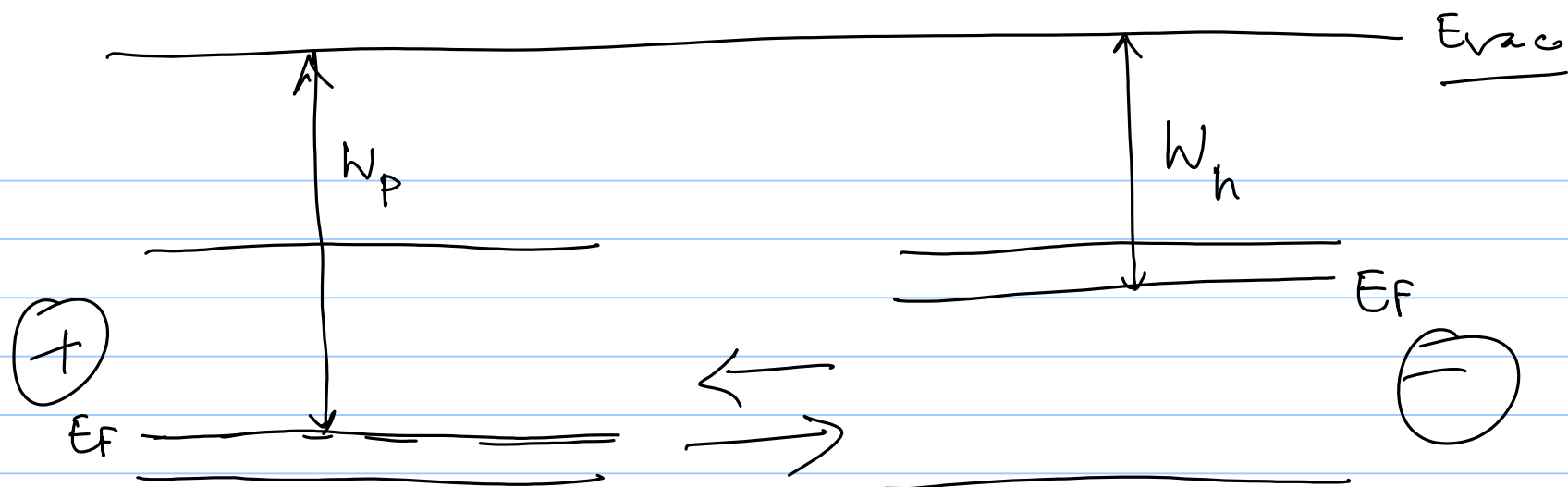


Band Diagram in P-N junction

15/9/2014







$$(W_{AR} - W_P) + (W_P - W_n) + (W_n - W_{AL}) = ? \Rightarrow 0$$



$$V(x_n) - V(-x_p)$$

$$V_0 = \frac{q w_0^2}{2 \epsilon_{Si}} \left(\frac{N_A N_D}{N_A + N_D} \right)$$

$$V(x_n) - V(-x_p)$$

$$V_0 - V_f = \frac{q w_f^2}{2 \epsilon_{Si}} \left(\frac{N_A N_D}{N_A + N_D} \right)$$

