A diagram showing light propagation through an optical fiber. The fiber consists of a core with index of refraction $n_1$ and a cladding with index of refraction $n_2$. The critical angle $\theta_c$ is shown, and the angle of incidence $\theta_a$ is used to calculate $90^\circ - \theta_c$. The fiber structure is labeled as 'Air', 'Core', and 'Cladding'.