# Physics 213
# General Physics

Lecture 3

- Last Meeting: Static Charges, Coulomb's Law, Electric Forces, Electric Field, Conductors

- Today: Gauss's Law, Electric Energy and Potential

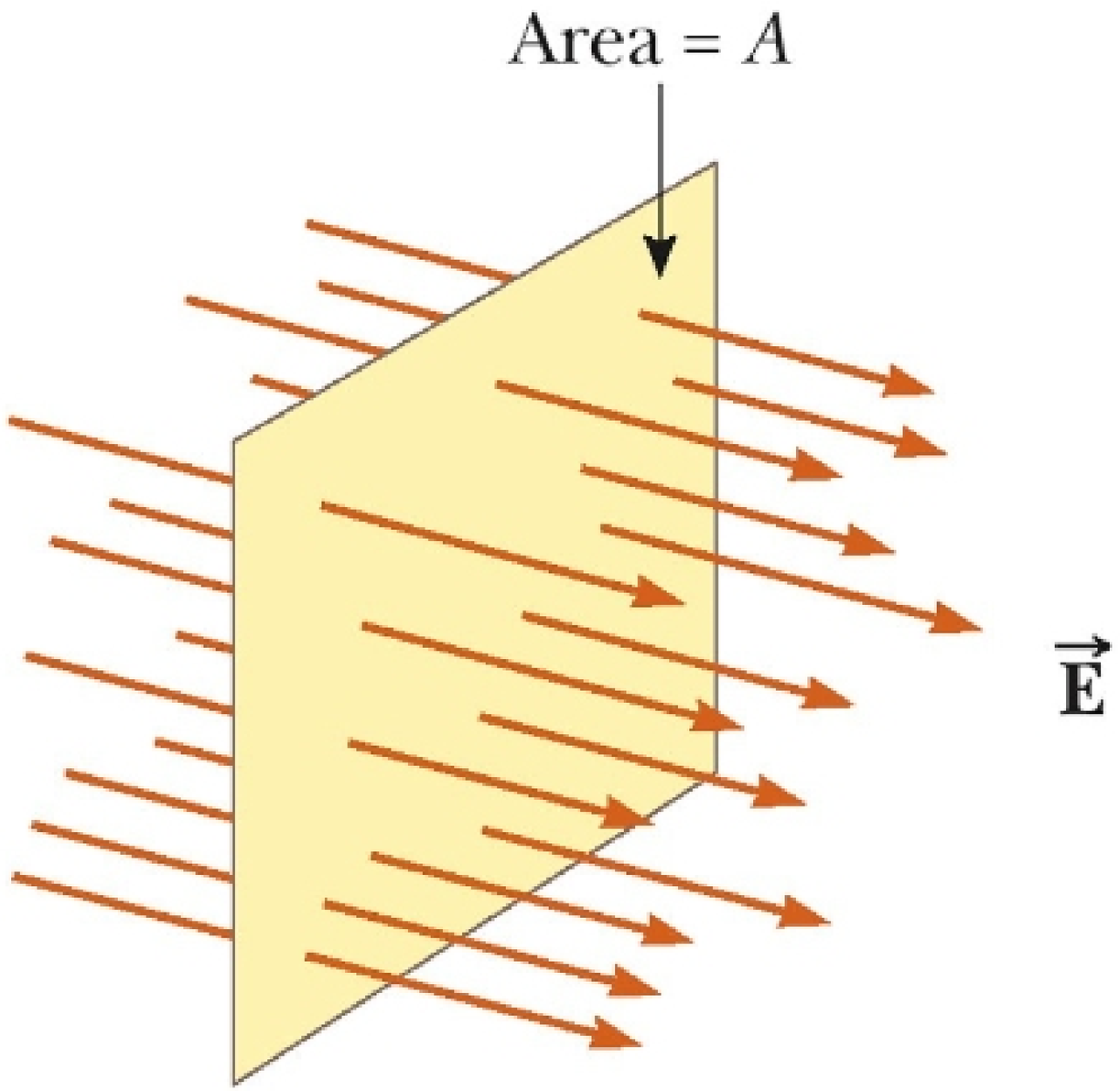
# Electric Flux

Field lines penetrating an area A perpendicular to the field

The product of EA is the flux, Φ

In general:

$$\Phi_E = E A \cos \theta$$




© 2006 Brooks/Cole - Thomson