Lecture :- 16 DOUBLE INTEGRALS

Remembers Junction of 1 vaniable

 $\int_{a}^{b} f(x) dx = \text{area below graph of f'over}$ $\begin{bmatrix} a, b \end{bmatrix}$

4,0]

function with two variable x & y; Then we'll look at the volume that's below the graph Z=f(x,y)

Double Integral = volume below graph Z=f(x,y).

z=f(x,4)

in xy-plane.

 $\int_{R} f(x,y) dA$ $|vol = \iint_{R} f(x,y) dA$

