



## Mechanics of Materials III: Beam Bending

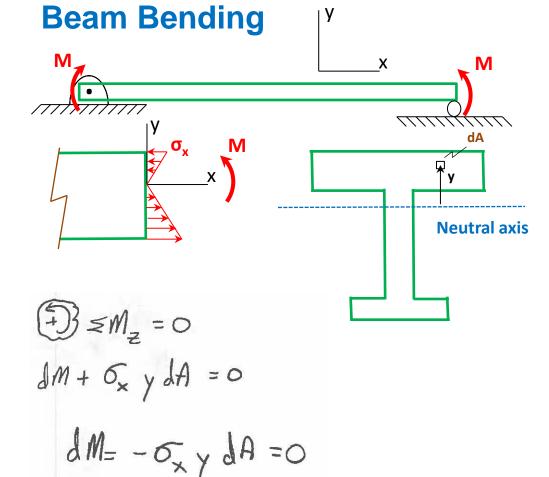
Dr. Wayne Whiteman Senior Academic Professional and Director of the Office of Student Services Woodruff School of Mechanical Engineering



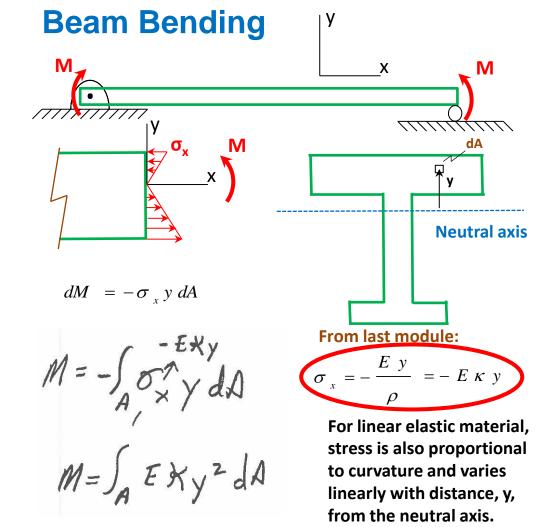


## **Module 9 Learning Outcome**

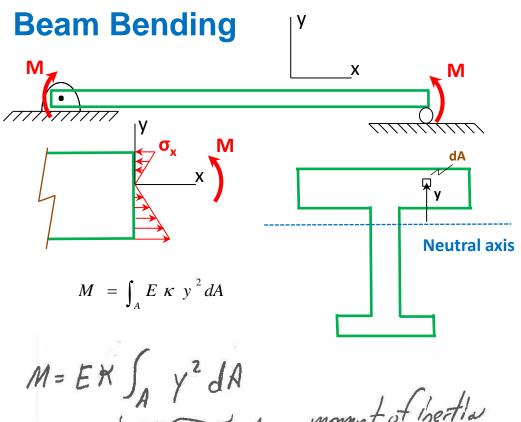
Derive the moment-curvature relationship









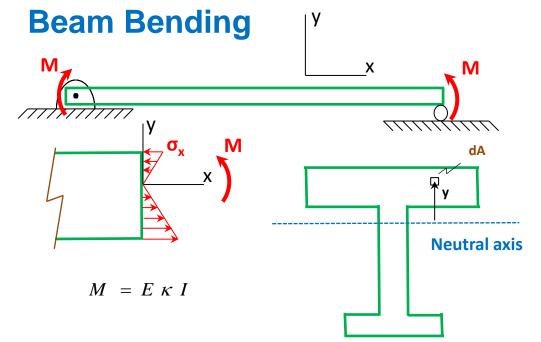




I = Area moment of hertlar

(Second moment of area)

M = EXI





## **Moment-curvature relationship**

