

Name \_\_\_\_\_ Student number \_\_\_\_\_

### Assignment 5

External load  $f$  acting on the beam shown is constant. Determine displacement  $u_{Z2}$  and rotation  $\theta_{Y2}$  of the mid-point (node 2). Young's modulus of the material and the second moments of area are  $E$  and  $I$ , respectively. Use two beam elements of equal length.

