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Our School of Mechanical Engineering is one of the largest and most diverse in the world. We offer a range of undergraduate and postgraduate courses, including:

Our BSc (Hons) Mechanical Engineering programme is accredited by the Institution of Mechanical Engineers (I.Mech.E.).

Sample lecture/coursework questions

1. 1. Explain the difference between stress and strain.
2. 2. A material is subjected to a tensile stress of 100 MPa. Calculate the strain if the Young's modulus is 200 GPa.
3. 3. A material is subjected to a tensile stress of 100 MPa. Calculate the strain if the Young's modulus is 200 GPa.
4. 4. Explain the difference between stress and strain.
5. 5. A material is subjected to a tensile stress of 100 MPa. Calculate the strain if the Young's modulus is 200 GPa.
6. 6. A material is subjected to a tensile stress of 100 MPa. Calculate the strain if the Young's modulus is 200 GPa.

Reading list

1. E. P. Timoshenko, *Strength of Materials*, R.C.H. Barrett, Ed., 3rd ed., McGraw-Hill, 1955.

2. M. E. E. Timoshenko, *Strength of Materials*, F.B. Timoshenko, E.J. Timoshenko, Ed., 3rd ed., McGraw-Hill, 1955.

3. E. P. Timoshenko, *Strength of Materials*, J.L.M. Timoshenko, J.N. Timoshenko, L.G. Timoshenko, Ed., 3rd ed., McGraw-Hill, 1955.

4. A. Timoshenko, *Strength of Materials*, A.M. Timoshenko, O. Timoshenko, A. Timoshenko, R.C. Timoshenko, Ed., 3rd ed., McGraw-Hill, 1955.

