

Welcome to Civil Engineering at Brunel

A dark blue circular logo with the text "Discover Brunel" in white, bold, sans-serif font.

Discover
Brunel

Congratulations on securing your place at Brunel

We're looking forward to meeting you - either in person or online - and introducing you to life at Brunel.

To help us get started, we've put together a short activity and some further information to help you prepare for your course - including a snapshot of the topics you'll cover and useful resources.

If you have any questions please email cedps-tpo-ceedadmin@brunel.ac.uk.

Pre-arrival activity

We'd like you to complete a short activity before you join us. We can discuss your answers in one of your first personal tutor sessions. Your work will not be officially assessed however it will allow your tutor to get to know you better.

Why Don't Structures Fall Down? Please answer the following questions

1. What are the properties of structures that stop them from falling down?
2. Are there circumstances that will lead a properly designed structure to collapse?

Sample lecture topics

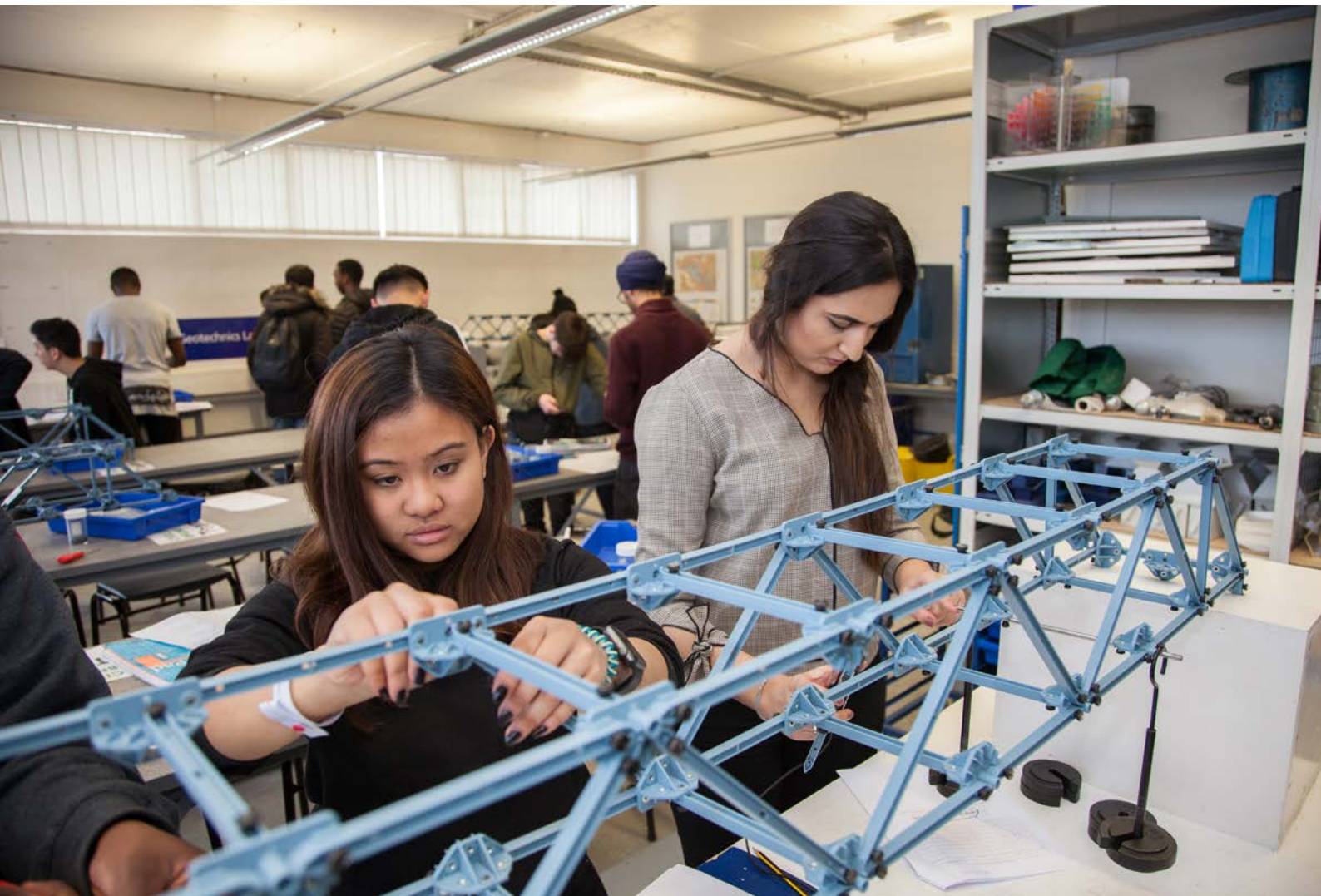
- Who developed elastic beam theory?
- What is finite element analysis?
- How do civil engineers shape the world?
- What are the major civil engineering projects in the UK?
- How do you design something to survive an earthquake?
- What is the difference between a consultant, a contractor and a client?

Reading list

- [Connor, J., Faraji, S. \(2016\), Fundamentals of Structural Engineering, 2ed, Springer](#)
- [Murray, M., Ross, S. \(2014\), National Geographic: understand civil engineering differently., Engineering Sustainability Vol 167, Issue ES2](#)

We look forward to meeting you in Welcome Week (Monday 21 – Friday 25 September).

Civil Engineering Team



Find out more about Welcome Week
brunel.ac.uk/welcome-week

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