

Presentation by

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**Head of Department**



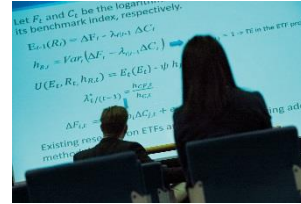
15<sup>th</sup> May 19

# Engineering, Design and Mathematics

## Managing (a lot of) Change



# EDM Overview



- **Department of Engineering, Design and Mathematics (EDM)**

- Approximately 1500 students.
- 130+ staff.

- **Mathematics**

- BSc/MMath Mathematics
- BSc Mathematics and Statistics
- BSc Mathematics with QTS

- **Engineering**

- BEng Robotics
- BEng/MEng Electronic Engineering
- BEng/MEng Mechanical Engineering
- BEng/MEng Automotive Engineering
- BEng/MEng Aerospace Engineering
- BEng/MEng Aerospace Engineering with Pilot Studies



**Institution of MECHANICAL ENGINEERS**

**Institute of mathematics & its applications**

**IET** The Institution of Engineering and Technology

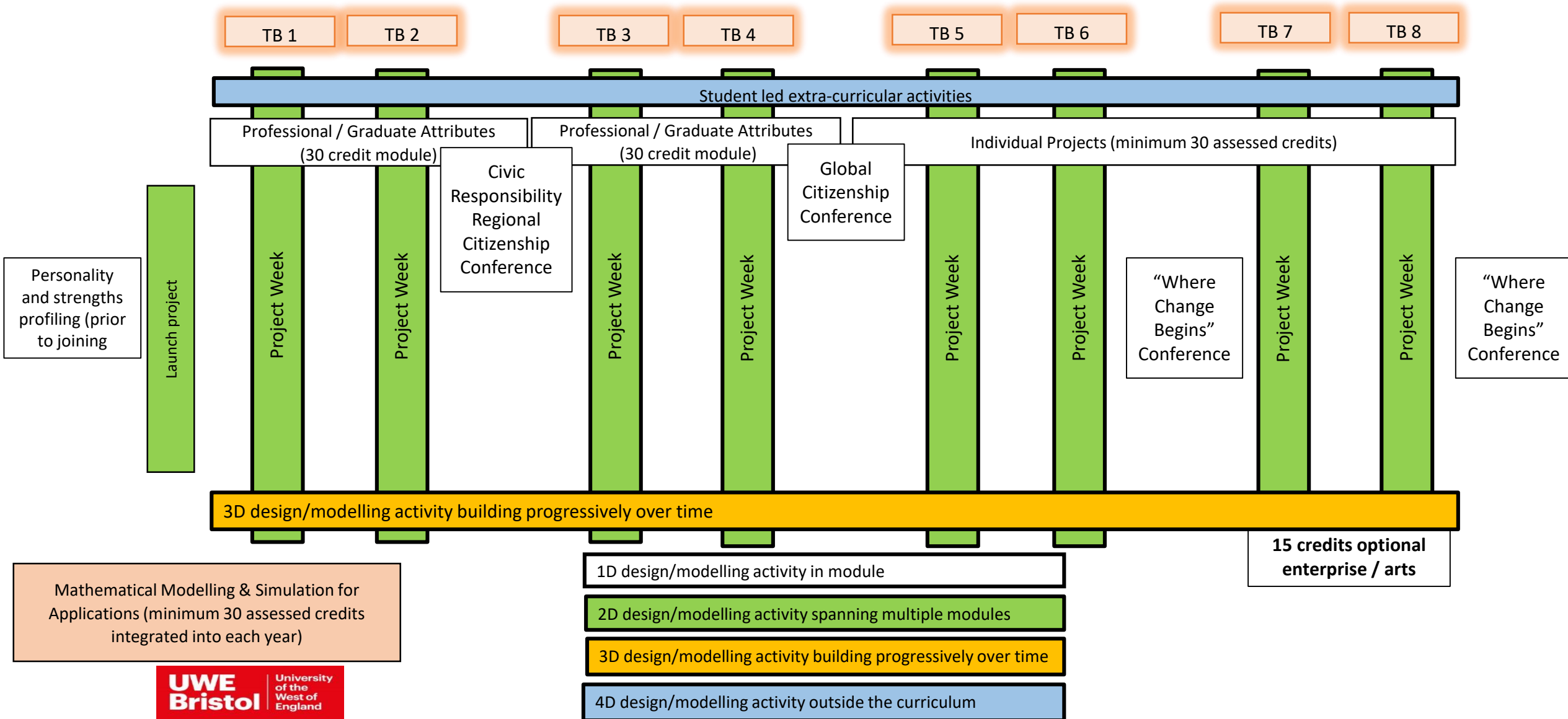
# Managing Change...

## **Changing the environment**

- Approval for a new, purpose built, multimillion pound engineering building

## **Changing the Curriculum**

- Aware graduates were equipped with all the right technical skills but NOT equipped with all of the “liquid skills” they needed for work
- How do we create a curriculum that delivers these?
  - Visited Aalborg, Denmark
  - UCL scenario weeks
  - Visit to Coventry AMRC
  - MIT report



# Learning Points

1. Set a clear vision – know where you are going and align everyone
2. Early research, find your own way
3. Communicate, communicate, communicate
4. You can't necessarily bring everyone with you
5. Strong core team
6. Force the change in a flexible way

(Potential) Inhibitors

QA systems, Accreditation

# Accreditation Review

## Focus Groups:

**Charles McArthur** BA (Hons)  
Committee & Project Support Executive

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