

**Tokamak Engineering**  
The Todd Lectures at BME R215  
February 22<sup>nd</sup> -24<sup>th</sup> 2016

**Monday 22<sup>nd</sup> February**

**8:30 How to Build a Tokamak – Part 1**

9:30 *Coffee break*

**9:45 How to Build a Tokamak – Part 2**

**10:45 The Role of Poloidal Field Coils in a Tokamak**

11:45 *Short break*

12:00 *Discussion/Tutorial Session*

12:30 *Lunch*

**13:30 How to Operate a Tokamak – Part 1**

14:30 *Coffee break*

**14:45 How to Operate a Tokamak – Part 2**

**15:45 Machine Protection**

16:15 *Short break*

16:30 *Discussion/Tutorial Session*

17:30 *Close*

**Tuesday 23<sup>rd</sup> February**

**08:30 The Engineering Design of JET – Part 1**

9:30 *Coffee break*

**9:45 The Engineering Design of JET – Part 2**

10:45 *Short break*

**11:00 The Sources, Effects and Control of Error Fields in a Tokamak**

12:00 *Discussion/Tutorial Session*

12:30 *Lunch*

**13:30 The Engineering Design of ITER – Part 1**

14:45 *Coffee break*

**15:00 The Engineering Design of ITER – Part 2**

16:15 *Coffee break*

16:30 *Discussion/Tutorial Session*

17:30 *Close*

**Wednesday 24<sup>th</sup> Feb**

**08:30 Engineering Design Considerations for DEMO – Part 1**

10:00 *Coffee break*

**10:15 Engineering Design Considerations for DEMO – Part 2**

11:45 *Discussion/Tutorial Session*

12:30 *Lunch*

**13:30 Design Constraints for Plasma Diagnostics in DEMO**

14:30 *Coffee break*

14:45 *Discussion/Tutorial Session*

16:00 *Close*