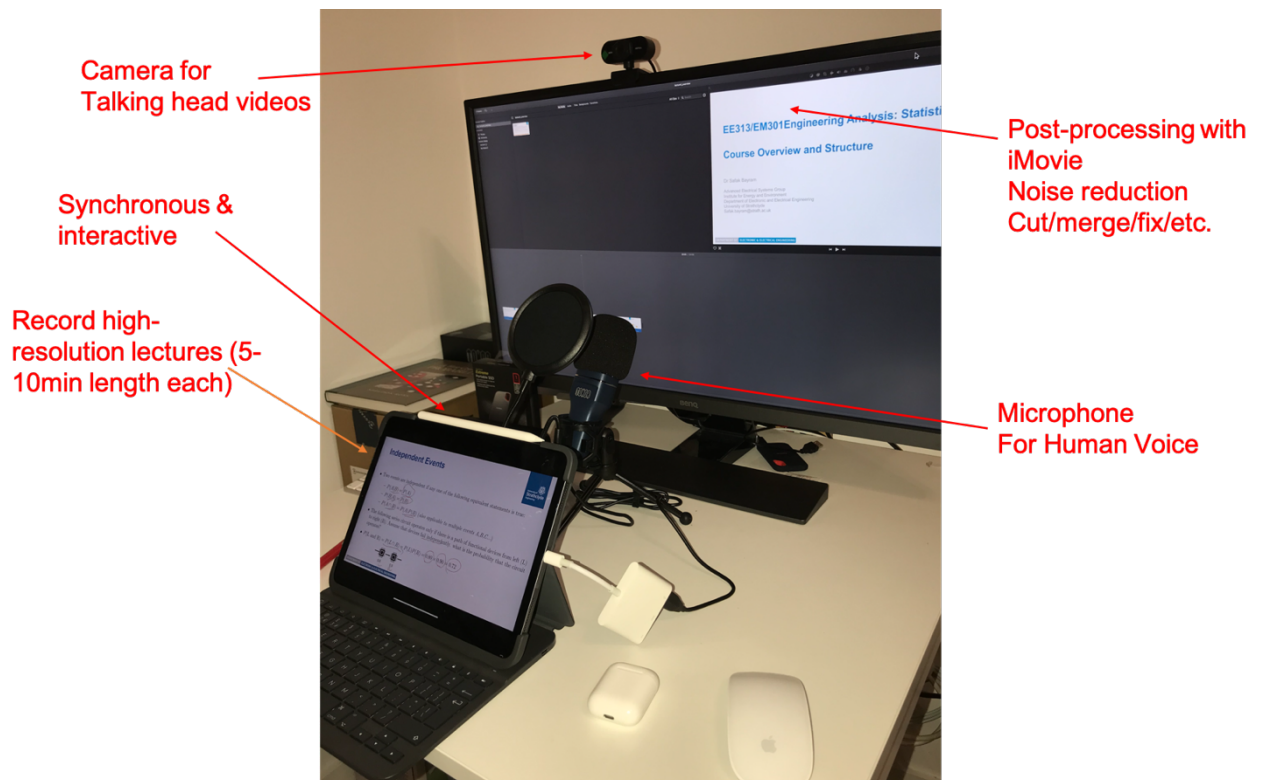


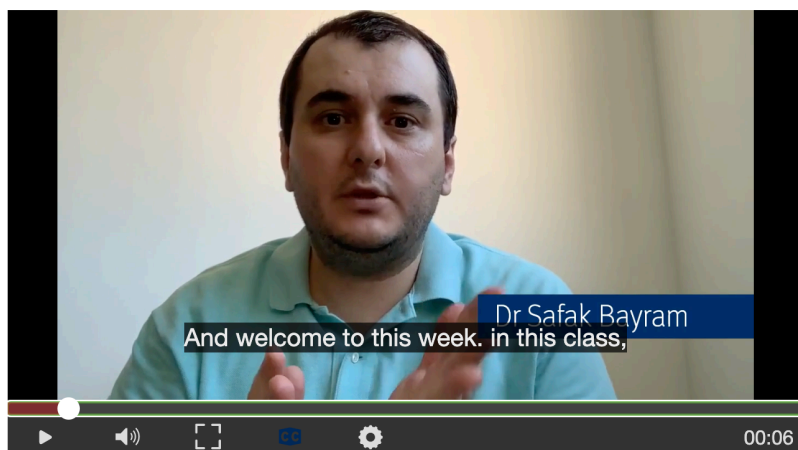
## Teaching Engineering Analysis Online Using Flipped Classroom

In this document, I summarize my online teaching experience at the University of Strathclyde during 2020-21 academic year. Overall, I have recorded 16 hours of lectures with the following set-up.



**Welcome to the Week Videos:** Each week starts with a talking head video is shot to present the summary of learning objectives in 2-3 minutes. Subtitles are created with Microsoft Stream. A sample screenshot is shown below:

### 1. Welcome to the Week



**Technical Content Videos:** Using IPAD PRO, technical videos are recorded (5-10 min length for each topic).

## 2. Probability Basics

**Worked Example Videos:** A number of worked examples are presented to improve the understanding of students.

### 7.1. Worked Examples of Conditional Probability

**Conclusions Videos:** At the end of the technical lectures, another talking head video is presented to summarize the lecture. A screenshot is shown

### 9. Conclusion to the week

