

Flipped Classroom

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Course: **BMAN10960 Quantitative Methods for Business and Management - Course Details: UG/Year 1/350+**

Course: **BMAN10750 Quantitative Methods for Accounting and Finance - Course Details: UG/Year 1/40+**



What teaching and learning problem were you aiming to solve?

Staff – challenge of catering for students with very different levels of prior maths knowledge in lectures and seminars. The subject requires a continuous building up of knowledge and understanding, so it is crucial that those students who find the material challenging have a set of additional resources to tap into.

Students – very different prior levels of maths ranging from GCSE to A-level. Some students require very detailed explanations, but this may cause others to disengage as they feel insufficiently challenged.

How did the technology help you to solve the problem?

Production and use of a set of video tutorials for all of our full year quantitative methods courses at Alliance MBS.

The videos follow the style of videos from the successful Khan Academy (i.e. a demonstration of the hand-written calculation process on a Blackboard-style canvas with a voice-over – no visible presence of the presenter). Crucially, however, they are specialized in content for Alliance MBS modules, and draw upon the existing seminar materials for these modules. The aim is to support a partial move towards a flipped classroom setting, where videos are watched by students prior to seminars so that face to face time can be used in a more engaging, interactive and productive manner.

How successful was the solution?

Statistics tracking showed a reasonable uptake of the seminar videos, with significant spikes prior to assessment deadlines.

Feedback from informal and formal surveys show that those students who used the videos found them very helpful.

Benefits: Provides an additional, in-depth resource for students who struggle with this course. Supports students in understanding the basic steps required to address seminar questions, thereby opening up time for higher level discussions in the actual seminars. Supports revision of material prior to assessment deadlines.

What did your students think? Quotes from Online Unit Survey (BMAN10960):

“Extremely helpful for those who may struggle with maths. Clearly explained and worked through in great detail. An excellent resource.”

“They are incredibly helpful ... They are extremely good in helping understanding of the topic. I really do like them.”

“The videos are really helpful to use when practicing the topics that I don't understand very well as I can pause them when I need to and they allow me to go at my own pace.”

Any tips?

The videos were produced by Camtasia, however TechSmith Relay is a simpler tool for recording PowerPoint presentations, or anything that appear on your computer screen, give it a go.

