



Contribution ID: 12

Type: **Talk**

## Contributed talk: Synoptic Physics- evolution of a problem solving, teamwork module

*Tuesday 17 August 2021 11:30 (15 minutes)*

Synoptic Physics is a 10 credit Level 5 module which was introduced in 2013/14 and has been taught every year since. Over that period the original designer of the module has experimented with adjustments to the basic design of a different problem every week, solved by teams in real time (3 hours), over 9 weeks. The module is consistently highly rated by the students and introduces opportunities for them to develop creativity and leadership, as well as the usual 'employability skills' such as communication and teamwork. A recent graduate working in Data Science comments 'I use the skills I learned in Synoptic Physics every day'.

The Module Organiser will present recommendations on assigning students to teams, ice-breaking activities, how to build confidence in the students' leadership skills, and the sort of problems that students love solving.

### Region

UK/Ireland

### Key words

Employability, teamwork, problem-solving

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**Session Classification:** Plenary Session 2