



Contribution ID: 1466

Type: **Oral (Non-Student) / orale (non-étudiant)**

## **High quality online content for Blended/Flipped Physics classrooms, Successes and Challenges**

*Thursday, 16 June 2016 09:45 (15 minutes)*

The availability of high quality online material that was developed in house for an online course provided the impetus to do a complete Flipping of an introductory physics class for non-majors, and create a blended version for majors.

We overview the material and the technology used and highlight the chosen selections for the pre-class component. We also discuss the effectiveness of the in class activities used and comment on how the experience can be enriched in light of extensive student feedback.

We comment on the potential pitfalls in flipping a classroom, in the pre class material, the in class activities as well as student push back. We also comment on the effect of demographic diversity on the reception and applicability of the flipped classroom.

**Primary author:** MANSOUR, firas (university of waterloo)

**Co-author:** Dr POWER, Mary (University of Waterloo)

**Presenter:** MANSOUR, firas (university of waterloo)

**Session Classification:** R1-1 Interactive Teaching: Teaching with Technology (DPE) / Enseignement interactif et à l'aide de la technologie (DEP)

**Track Classification:** Physics Education / Enseignement de la physique (DPE-DEP)