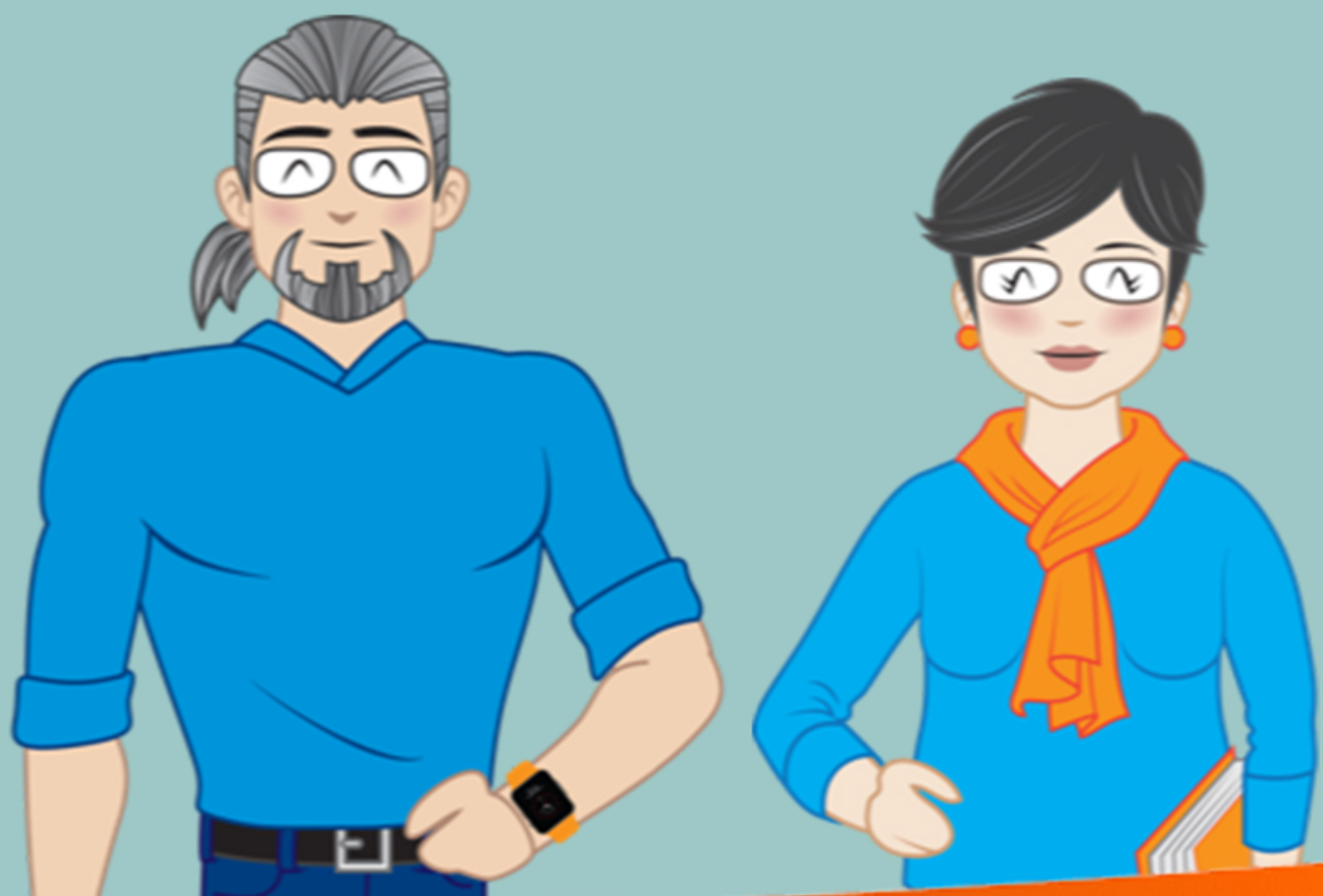




# Micro-Modules Production and Management for Faculty of Engineering with Emphasis on Foundation Courses

Teaching Development and Language Enhancement Grant (TDLEG)



## ABSTRACT

Recent research has demonstrated that **micro-modules** has several advantages over videotaping lengthy lectures.

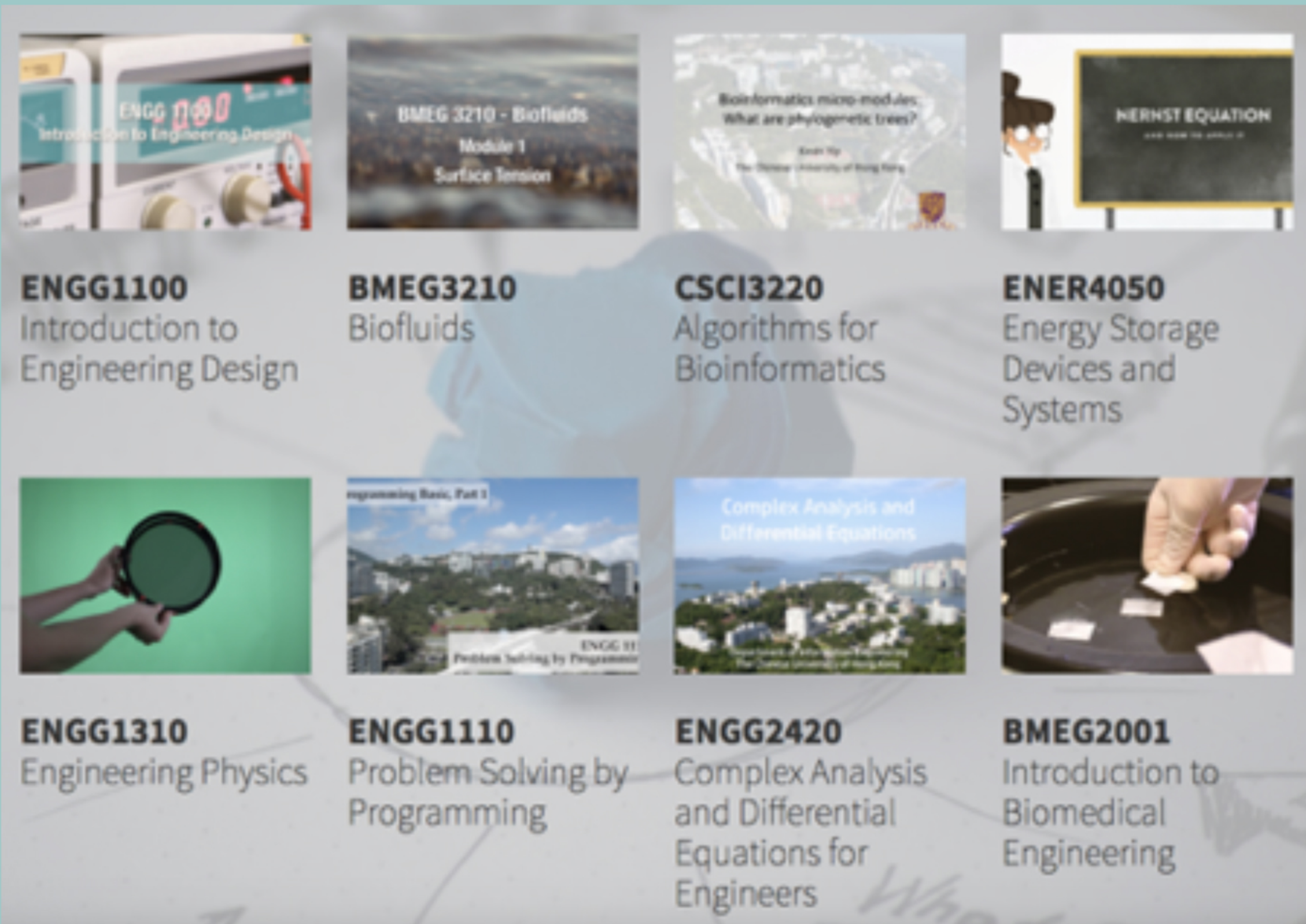
For example, the **micro-modules** are more focused on the subject, higher quality and better made with intentionally more suited for personalised learning, appropriate for skill-based learning, etc.

The Engineering Faculty continues to promote and deploy **eLearning** based **micro-modules**.

## DISSEMINATION

### CUHK Engineering Micro-Modules

<http://studio.erg.cuhk.edu.hk/micro-modules>



### ADDIE Development Model

Analyze	Design	Design	Implementation	Evaluate
Learning Assessment	Concept Development	Pre-production	LMS	Revise
Strategy	Learning Activities	Production	Pilot Test	Surveys
Planning	Storyline	Post-production	Assessments	Revise
Objectives	Media & Tools			Enhance

## COURSES



## Faculty of Engineering

**Principal Investigator**  
Prof. KING, Kuo Chin Irwin



<http://studio.erg.cuhk.edu.hk/micro-modules>

### Co-PIs

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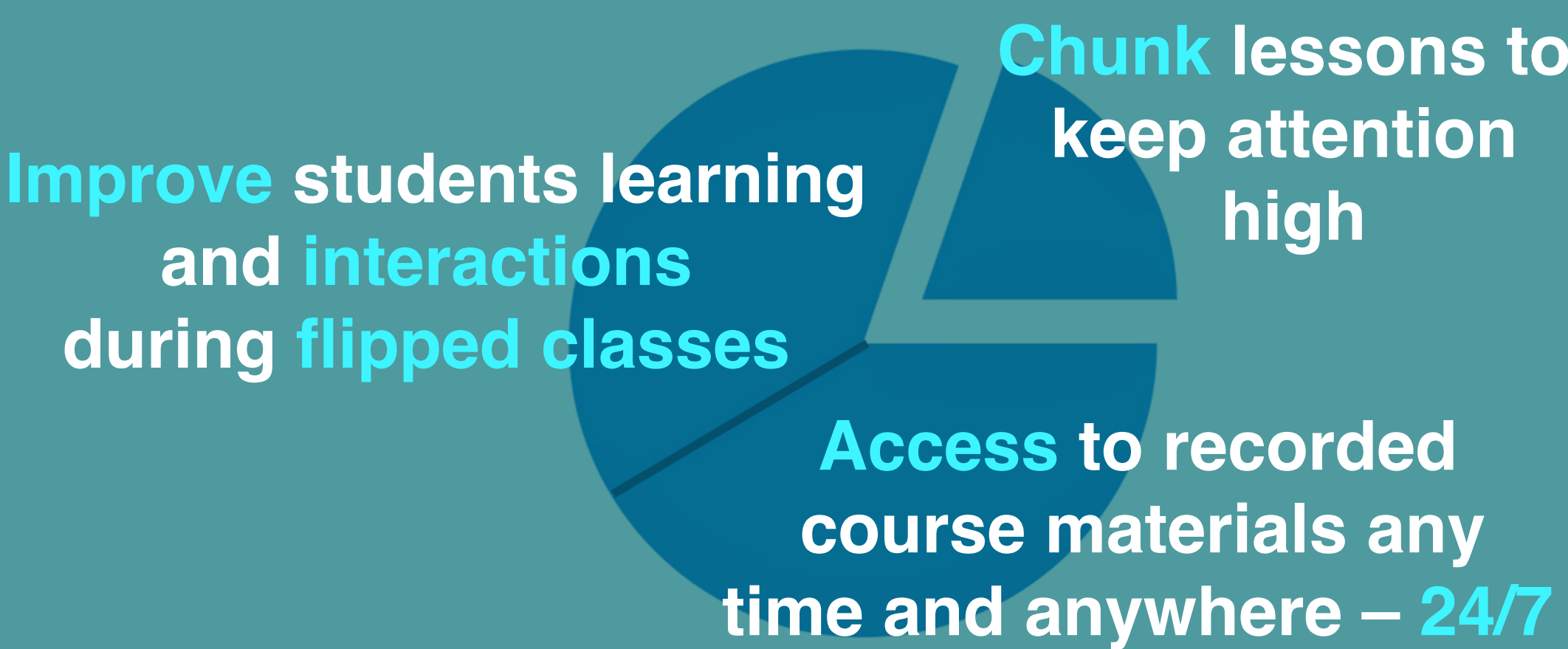
### Project Components

- The **production** of high quality micro-modules contents for engineering foundation courses
- The **management** of current micro-modules
- The **expansion** of connectivity with current modules

### Project Objectives

- Provide a knowledge and content **repository** for students
- Have better **engagement** through increased teacher-student **interactions** during **flipped-classes**
- Create **personalised** learning path by watching prescribed **micro-modules**

### WHY MICRO-MODULES?



### OUTCOMES



Over 60 Micro-Modules Videos

10 Foundation Courses



Over 7200 Minutes

Lab, Class & Studio Recording



Over 855 Minutes

Total Duration of Micro-Modules

Pre-Production	Production	Post-Production
Analyze	Production Design	Video Editing & Color Grading
Script Development	Video Shooting	Sound Editing
Module Framework	Voice Over Recording	Graphic & Caption
	Illustrations & Animation	Revision & Evaluation
	Simulations	Management & Update