

**Invitation  
2<sup>nd</sup> Semester 2010  
Student engagement teaching strategies  
Peer teaching  
Interactive online work sessions  
Eric Mazur**



Lecturers are invited to participate in an interactive online workshop series on Peer Instruction (PI), led by the well known Harvard professor, Eric Mazur. The workshop will consist of four phases during the second semester 2010. It will be presented as a combination of online workshops, utilizing the Elluminate software, and individual hands-on work.

The Elluminate licence allows for 50 participants only, therefore lecturers are advised to book as soon as possible. Lecturers or groups of lecturers can participate in the online workshops from their own offices or from home (where there is internet access).

### **Preliminary program**

**The program will be distributed in four phases:**

#### **Preparation Phase: July**

Participants will receive readings on Peer Instruction and will be asked to prepare the readings and submit questions to Prof Mazur before the session. In a way they will experience PI and Just in Time Teaching approach since the beginning on this program.

Participants select a module they teach and where they either would like to apply PI or to promote student engagement.

#### **Workshop Phase**

**Session 1: Week of 9 August – Date to be determined – Time approximately 16:00 – 18:00**

Two hours on the basic principles of Peer Instruction and the need to improve student engagement in teaching.

**Session 2: Week of 16 August – Date to be determined – Time 16:00 – 18:00**

Between one hour and two hour session about the principles of the PI teaching approach, as well as Prof Mazur's experience in syllabus design and assessment.

#### **Application Phase**

Lecturers apply principles in their own identified modules. Note problems for the next session

**Follow up Phase: Week of 27 September – Date to be determined – Time 16:00 – 17:30**

An hour session, approximately one month after the workshop phase to address the questions from the application phase. Probably not all participants will be part of this since it will depend on those who decide to implement it.

#### **Resources**

Participants will have readings to prepare for the sessions.

Sessions will be recorded for participants to review after the program ends and for other participants who may be interested in the theme.

#### **Evaluation**

An assessment form will also be provided so participants could give their feedback to the Department for Education Innovation and Prof Mazur to improve this program for similar groups.

### **Eric Mazur says**

I came to Harvard in 1982 right after obtaining my Ph.D. at the University of Leiden in the Netherlands. My intention was to stay one year as a postdoc with Nico Bloembergen to learn nonlinear optics. Little did I know that I would still be here today! In 1984 I joined the faculty and formed the Mazur Group([mazur-www.harvard.edu/](http://mazur-www.harvard.edu/)) , then called the "Quantum Electronics and Molecular Physics" group, or QEMP for short.

My philosophy has always been to remain close to my graduate students because I believe that a team spirit stimulates collaboration, creativity, and good work. Indeed, I have been blessed with many wonderful graduate students and postdocs over the course of these years; I owe much to all the people who have contributed to this group.

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**Uitnodiging  
Tweede Semester 2010  
Studentebetrokkenheid onderrig strategie  
Peer teaching  
Interaktiewe aanlyn werksessies  
Eric Mazur**



Dosente word uitgenooi om deel te neem aan 'n interaktiewe aanlyn werkswinkelreeks, gelei deur die bekende Harvard professor, Eric Mazur. Die werksinkels sal fokus op onderrigstrategiee wat studente betrokkeheid bevorder (veral ook 'peer instruction (PI)'). Die reeks sal bestaan uit vier fases gedurende die tweede semester 2010. Dit sal aangebied word in 'n kombinasie van aanlyn werksinkels, met behulp van die Elluminate sagteware, asook individuele toepassings in dosente se eie modules.

Dosente word aangeraai om so gou as moontlik te registreer, aangesien die Elluminate lisensie slegs toelaat vir 50 deelnemers. Dosente of groepe dosente kan deelneem aan die aanlyn seminare vanaf hulle eie rekenars in hulle kantore of tuis (waar u internet toegang het).

### **Voorlopige program**

**Die program word in 4 fases aangebied:**

#### **Voorbereidende fase: Julie**

Deelnemers sal leeswerk oor 'Peer Instruction (PI)' ontvang wat voorberei moet word vir die eerste werksinkel. Vrae oor die leeswerk kan aan Prof Mazur gestuur word. Dosente sal dus van die begin van die reeks af PI en 'Just in Time teaching' ervaar.

Gedurende hierdie fase kies dosente dan ook 'n module vir die tweede semester waarin hulle graag PI wil toepas, of in die algemeen studente betrokkeheid wil verbeter.

#### **Werkswinkelfase**

**Sessie 1: Week van 9 Augustus – datum sal bepaal word – Tyd ongeveer 16:00 – 18:00**

Twee uur aanlyn sessie oor die beginsels van PI en die verbetering van studente betrokkeheid

**Sessie 2: Week van 16 Augustus – datum sal bepaal word – Tyd ongeveer 16:00 – 18:00**

Ongeveer twee uur aanlyn sessie oor die beginsels van die PI onderrigbenadering en Prof Mazur se ervarings in die ontwikkeling van sillabusse en assessering.

#### **Toepassingfase**

Dosente pas die beginsels toe in hulle eie geïdentifiseerde modules. Neem notas van probleme vir bespreking in die volgende sessie

**Opvolgfasie: Week van 27 September – Datum sal bepaal word – Tyd 16:00 – 17:30**

Uur aanlyn sessie, ongeveer 'n maand na die werksinkelfase. Vrae wat spruit uit die toepassingsfase sal behandel word. Waarskynlik sal al die oorspronklike deelnemers nie hierby betrokke wees nie, aangesien dit sal afhang van die dosente wat besluit het om die beginsels toe te pas in 'n module

#### **Bronne**

Deelnemers sal leeswerk ontvang om voor te berei vir die sessies

Sessies sal opgeneem word vir deelnemers wat dit na die program weer wil sien, asook vir ander persone wat geïnteresseerd is in die tema.

#### **Evaluering**

Assesseringsvorme sal ook voorsien word, sodat deelnemers hulle terugvoer kan verskaf vir die Departement Onderriginnovasie en ook vir Prof Mazur om die program te verbeter vir soortgelyke groepe.

### **Eric Mazur se eie woorde:**

I came to Harvard in 1982 right after obtaining my Ph.D. at the University of Leiden in the Netherlands. My intention was to stay one year as a postdoc with Nico Bloembergen to learn nonlinear optics. Little did I know that I would still be here today! In 1984 I joined the faculty and formed the Mazur Group ([mazor-www.harvard.edu/](http://mazor-www.harvard.edu/)), then called the "Quantum Electronics and Molecular Physics" group, or QEMP for short.

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