



# **TEACHING IN A DIGITAL AGE**

RE-THINKING TEACHING & LEARNING

**OCTOBER 17-19, 2017**

TORONTO CANADA



**WORLD CONFERENCE  
ON ONLINE LEARNING  
TEACHING IN A DIGITAL AGE**

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THE ONLINE, OPEN AND FLEXIBLE  
HIGHER EDUCATION CONFERENCE

ENHANCING EUROPEAN HIGHER EDUCATION;  
"OPPORTUNITIES AND IMPACT OF NEW MODES OF TEACHING"

19-21 OCTOBER 2016



UNIVERSITÀ TELEMATICA  
INTERNAZIONALE UNINETTUNO



Co-funded by the  
Erasmus+ Programme  
of the European Union

# **Blended Learning – What Blend? Flexible Learning – How Flexible?**

Sir John Daniel & Stamenka Uvalić-Trumbić

# Blended Learning: What Blend?



# Flexible Learning: How Flexible?

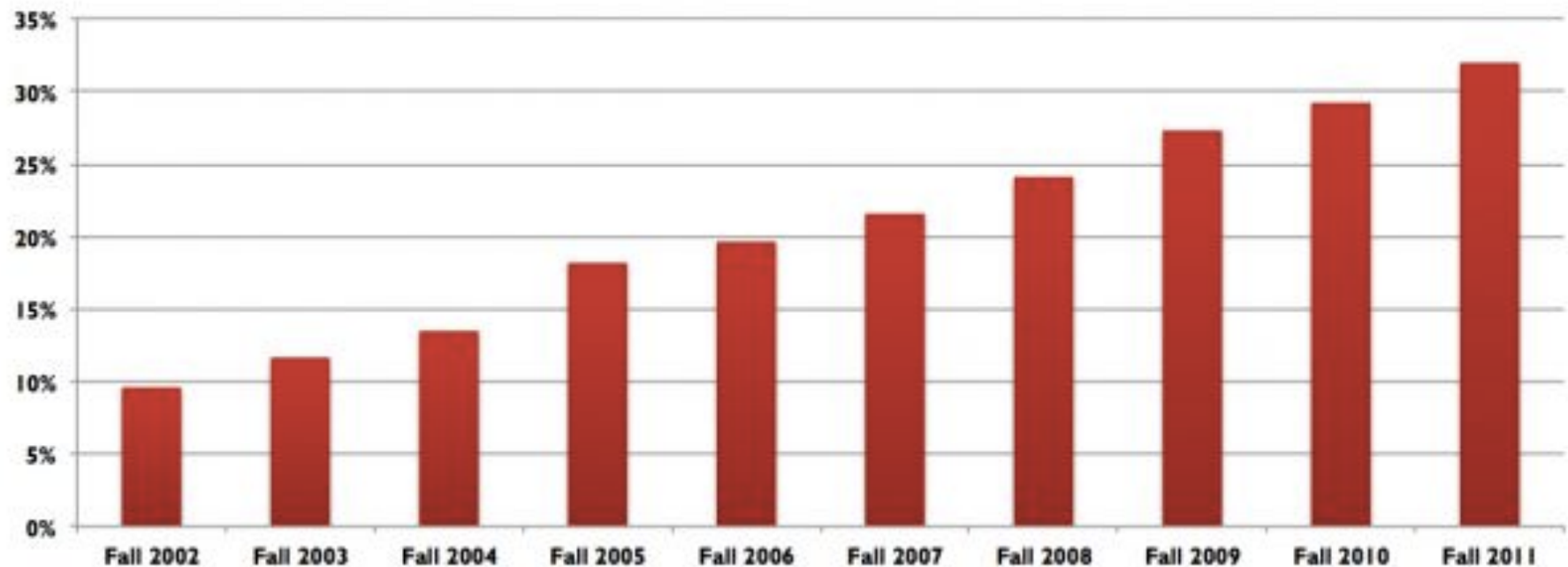




ARE  
**MOODS**  
THE FUTURE  
OF EDUCATION?

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THE FUTURE  
OF EDUCATION?~~

**Online Enrollment as a Percent of Total Enrollment: Fall 2002 - Fall 2011**



From *Inside Higher Ed* - USA

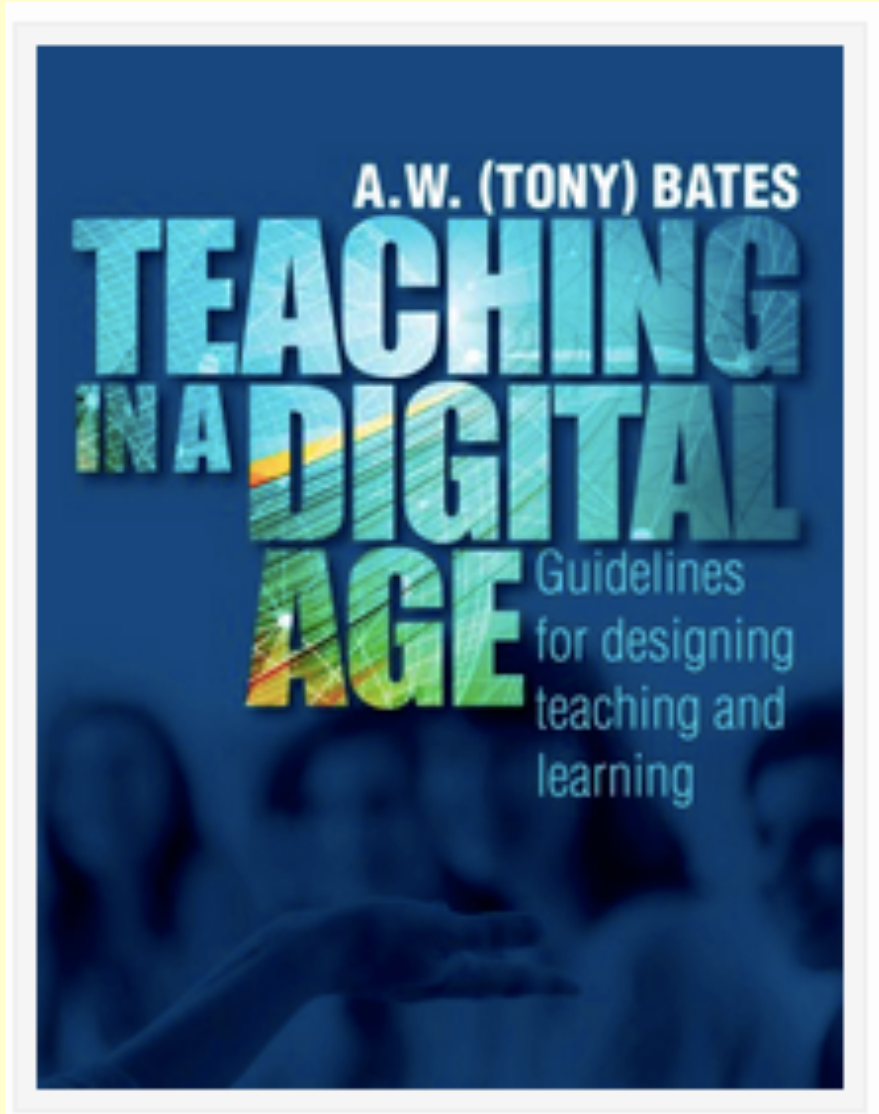


# Blended Learning: What Blend?



# Flexible Learning: How Flexible?





Tony Bates

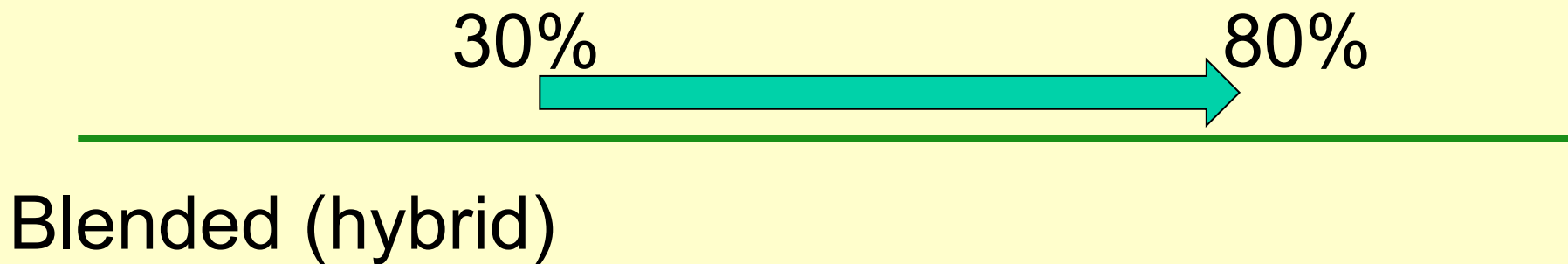
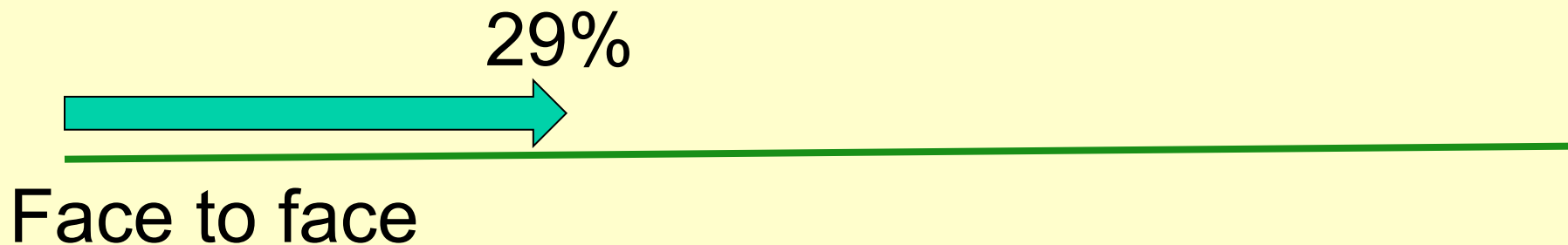
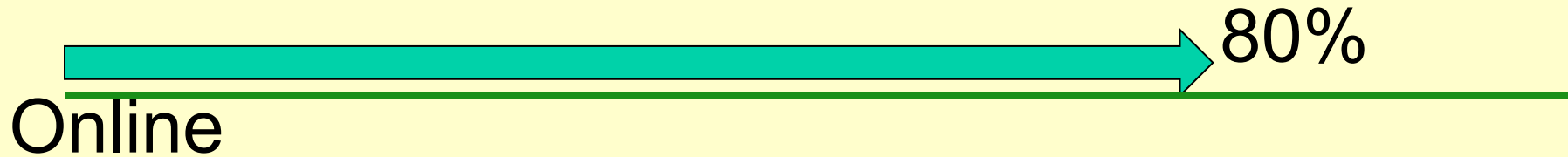
<https://opentextbc.ca/teachinginadigitalage/>

# The Babson Reports

## Online Learning in US HE 2003-2016



# Babson definitions: % online



# What does the research say?

1. We should aim for hybrid learning, designing for optimum synergy between online learning and face-to-face teaching interventions.



# What does the research say?

2. - Face-to-face teaching is not more effective than online learning.

Bates' *Principle of Equal Substitution* suggests that we should now reverse current practice and treat online learning rather than classroom teaching as the default mode.



# Tony Bates

## The Law of Equal Substitution

(Bates, 2015, p. 315)

***‘academically, most courses can  
be taught equally well online or  
face-to-face’***

# What does the research say?

3. Students engage more deeply with online learning and work harder than in classroom courses.

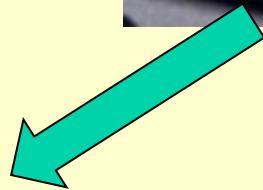
# What does the research say?

4. The more independent study and work students do, the better they learn.

# What does the research say?

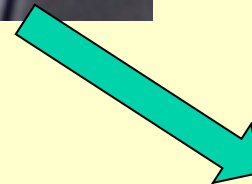
5. The 21st century requires a blend of skills and knowledge. Interactive teaching is particularly important in helping students to develop certain skills in context and to grasp the academic knowledge underpinning their discipline.





Blended  
learning

PEDAGOGY



Flexible  
learning

ADMINISTRATION

# **Flexibility has many dimensions...**

**For students:**

- Easier access
- Choice of where to study
- More credentials
- More autonomy for scheduling lives

# **Flexibility has many dimensions...**

**For teachers:**

- Greater range of pedagogies
- Free teaching resources
- Less 'stand-up' teaching
- Greater variety of assessment



Too rigid = break

Too flexible = collapse

# Beware of too much flexibility in:

- Timing of study
- Variety of outcomes
- Unbundling





is asynchronous



when  
to  
study?





a mechanism to motivate them to give some priority to their studies



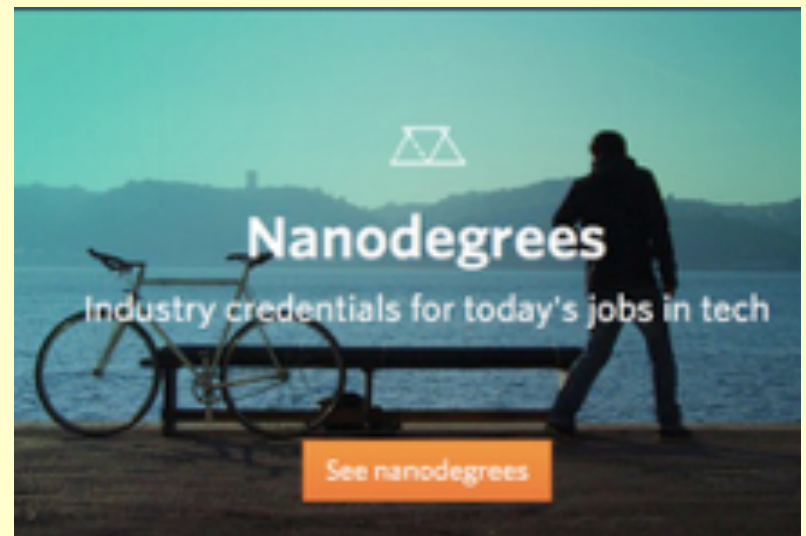
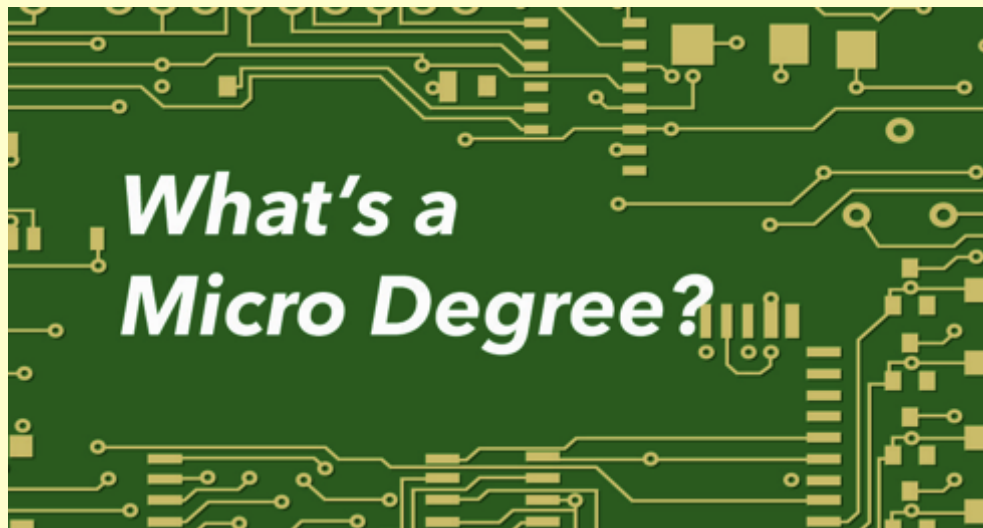
when to study?



# Beware of too much flexibility in:

- Timing of study
- **Variety of outcomes**
- Unbundling

# New Credentials





# *what are* **OPEN BADGES?**

*Learning today happens everywhere. But it's often difficult to get recognition for skills and achievements that happen online or out of school. Mozilla Open Badges helps solve that problem, making it easy for any organization to issue, manage and display digital badges across the web.*



# Beware of too much flexibility in:

- Timing of study
- Variety of outcomes
- **Unbundling**



Face-to-face teaching  
(integrated process)

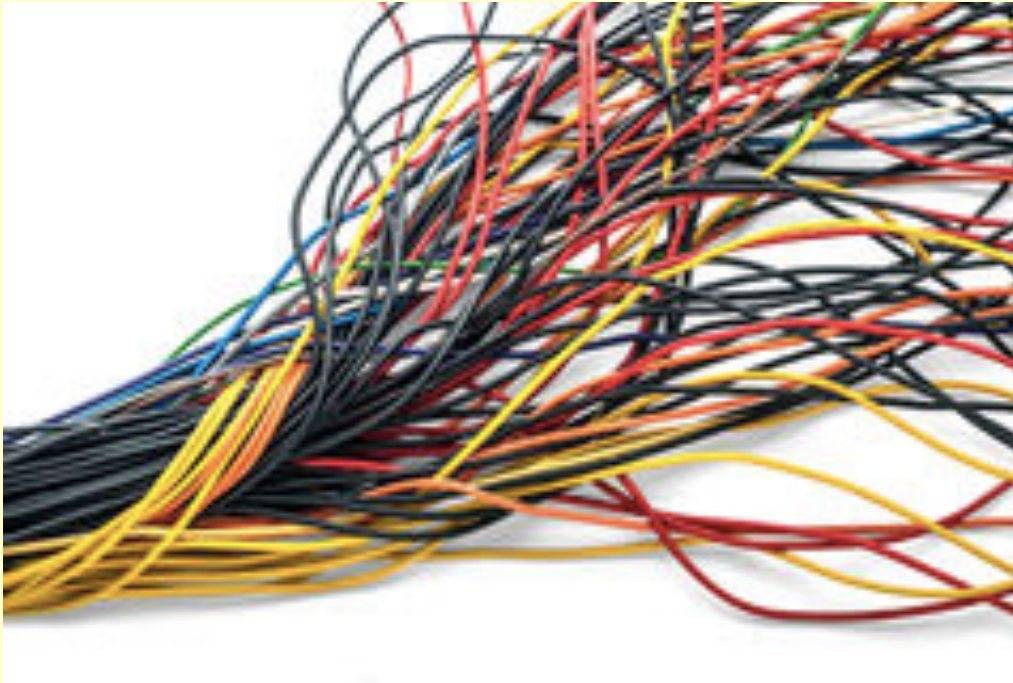


Face-to-face teaching  
(integrated process)



Online teaching  
(elements distinct)

# Unbundling higher education



Programme design  
Content  
development  
Course delivery  
Student support  
Assessment  
Credentialling



Happy world of choice...or...anarchy?

# Will students want unbundling?

- Students want an institution they trust

# Will students want unbundling?

- Students want an institution they trust
- Faculty like to know 'their' students



# Will students want unbundling?

- Students want an institution they trust
- Faculty like to know 'their' students
- Institutions like to identify 'their' students

# Rebundling higher education



Programme design  
Content  
development  
Course delivery  
Student support  
Assessment  
Credentialling



*Desmond  
Keegan*

In classroom education  
the teacher teaches

In distance education  
the institution teaches

# UNISA



中央广播电视大学  
THE OPEN UNIVERSITY OF CHINA



มหาวิทยาลัยสุโขทัยธรรมศาสตร์  
Sukhothai Thammathirat Open University



ANADOLU ÜNİVERSİTESİ



AFRICAN VIRTUAL UNIVERSITY  
UNIVERSITE VIRTUELLE AFRICAINE  
UNIVERSIDADE VIRTUAL AFRICANA

دانشگاه پیام نور



The **Open** University of Sri Lanka  
LIFE LONG LEARNING THROUGH DISTANCE EDUCATION



Athabasca  
University



The Open University

Central support functions for ODL

“any involvement of the central administration in the teaching functions tends to provoke resistance...”

Central support functions for ODL

“any involvement of the central administration in the teaching functions tends to provoke resistance...”

The answer:  
**SUBSIDIARITY**

# Rebundling higher education



Programme design  
Content  
development  
Course delivery  
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Assessment  
Credentialling

**HELP STUDENTS RE-BUNDLE**



Blended learning – what blend?

Flexible learning – how flexible?

What about unbundling?

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Stamenka  
Uvalić-Trumbić

# THANK YOU



Sir John Daniel

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