

# THE WORLD UNIVERSITY RANKINGS

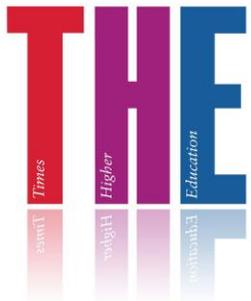
# THE

Times  
Higher  
Education

Phil Baty *Editor*

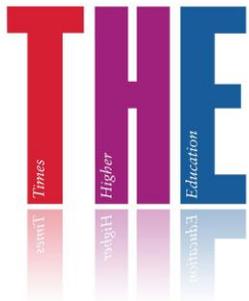
Times Higher Education Rankings





# What makes a great university?





# About Times Higher Education

The weekly magazine for all higher education professionals

The weekly magazine for higher education

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Funding allocations in full

£2.20  
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The weekly magazine for higher education

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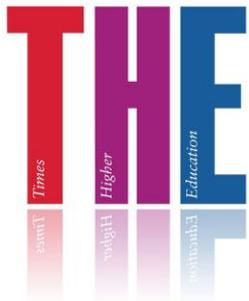
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Perception shift needed before fees cap can be raised, top LSE economist tells conference. Rebecca Attwood reports

- Scholar who labelled 9/11 victims 'little Eichmanns' was wrongly fired, court finds
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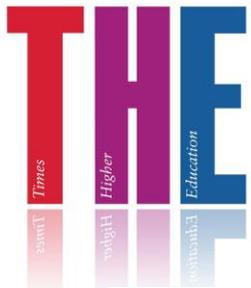
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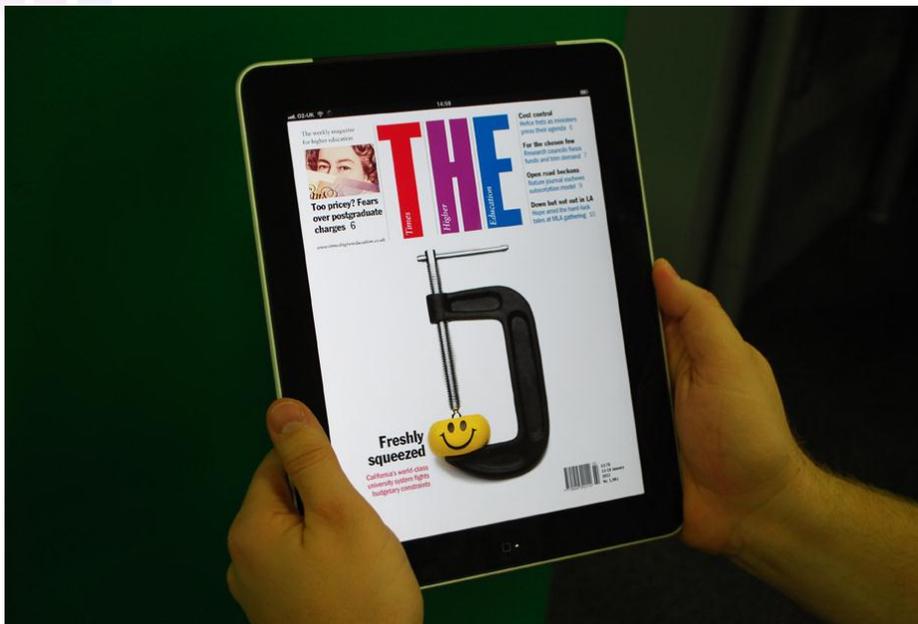
Lecturers, Fellows, Tutors & Researchers (191)	Academic Related (8)
Fellows (9)	Academic Related - Other (2)
Fellowships (7)	Administrators (6)

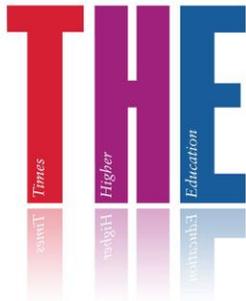




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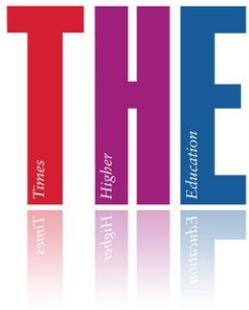


## About TSL Education



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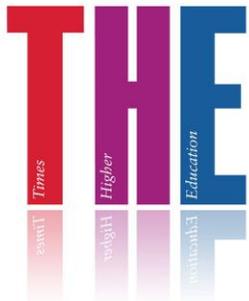




## Why Rank? Rapid globalisation of higher education

- There are 3.9 million students enrolled in higher education outside their country of origin – 7 million by 2020
- Universities now have 200+ satellite campuses outside their home countries
- Around 20 per cent of all academics working in the UK are appointed from overseas
- Almost 40 per cent of papers from top 200 universities international
- Sir Drummond Bone said: “World class research is inherently international”





## Why Rank? Rapid globalisation of higher education

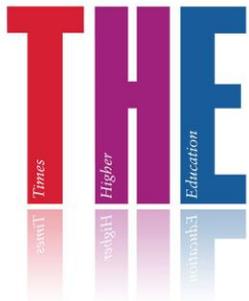
*“We are living through one of those tipping points where in five years, (commentators will say) that this was the period when the landscape changed for ever, when the speed of reputational growth and decline suddenly accelerated.*

*“We all accept that higher education is borderless - ideas know no boundaries, do not accord any significance to geography and maps - and that is equally true of reputations and university rankings.”*

**Peter Upton**

*Director, British Council, Hong Kong*



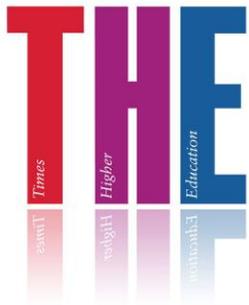


## Why Rank? Rankings have a useful function

- “Rankings often serve in place of formal accreditation systems in countries where such accountability measures do not exist.”
- “Prompt change in areas that directly improve student learning experiences”
- “Encourage institutions to move beyond their internal conversations to participate in broader national and international discussions.”
- “Foster collaboration, such as research partnerships, student and faculty exchange programmes.”

*US Institute for Higher Education Policy, May 2009*





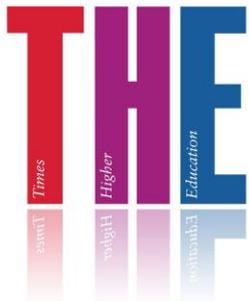
## Times Higher Education's responsibility

“The responsibility weighs heavily on our shoulders. We are very much aware that national policies and multimillion-pound decisions are influenced by the rankings.... We feel we have a duty to improve how we compile the rankings..

“We believe universities deserve a rigorous, robust and transparent set of rankings – a serious tool for the sector, not just an annual curiosity.”

*Ann Mroz, Editor, Times Higher Education, November 2009*





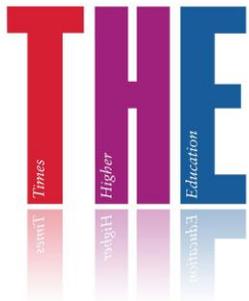
## The development of a new world ranking system

In November 2009 we signed a deal with **Thomson Reuters**, to work with us to develop and fuel a new and improved global ranking for the future.



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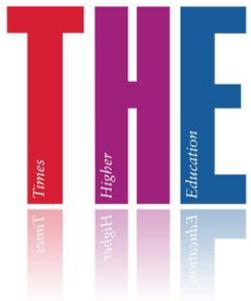


# Back to first principles: What makes a world class university?

“Everyone wants one,  
no one knows what it is,  
and no one knows how to get one”.

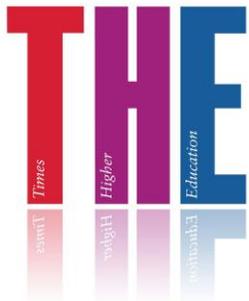
Philip Altbach, Boston College,  
US on the “World Class University”





# Back to first principles: What makes a world class university?



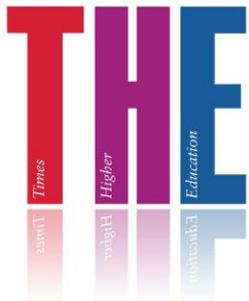


# Back to first principles: What makes a world class university?

The key pillars:

- Teaching
- Knowledge Transfer
- Global outlook
- Research.





## Thomson Reuters' stakeholder survey. Key findings:

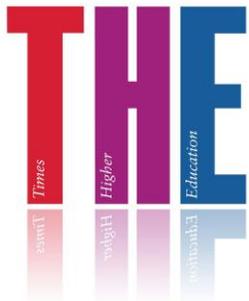
- 92 per cent said that faculty output (publications) was a must have/nice to have
- 91 per cent said that faculty impact (citations) was a must have/nice to have
- 86 per cent said they wanted faculty/student ratios
- 84 per cent wanted income from research grants
- 79 per cent wanted peer “reputation” measure

# THE WORLD UNIVERSITY RANKINGS



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## World University Rankings methodology

Teaching – the learning environment (30%)

Reputation survey – Teaching (15%)

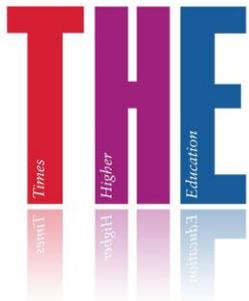
Staff-to-student ratio (4.5%)

PhDs awarded / Undergraduate degrees awarded (2.25%)

PhDs awarded / Academic staff (6%)

Institutional income / Academic staff (2.25%)



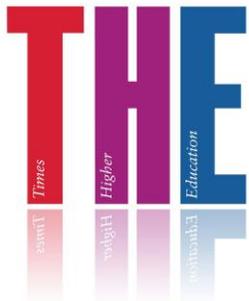


# World University Rankings methodology

“I welcome the way the Times Higher Education is also trying to measure teaching and is recognising that that’s a crucial part of the university experience”.

David Willetts, UK universities minister





## World University Rankings methodology

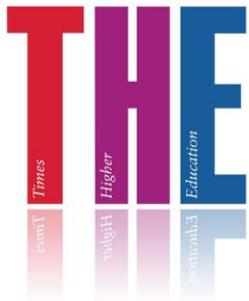
International Outlook – staff, students and research (7.5%)

International students / Total students (2.5%)

International academic staff / Total academic staff (2.5%)

Scholarly papers with one or more international co-authors / Total scholarly papers (2.5%)



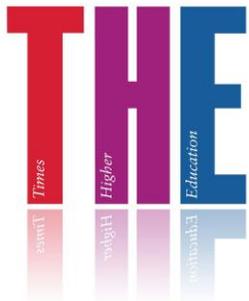


# World University Rankings methodology

Industry Income – innovation (2.5%)

Research income from industry / Academic staff (2.5%)





# World University Rankings methodology

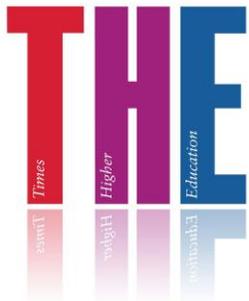
Research – volume, income and reputation  
(30 %)

Reputation survey – Research (18%)

Research income (PPP) / Academic staff (6%)

Scholarly papers / Academic staff + Research  
staff (6%)



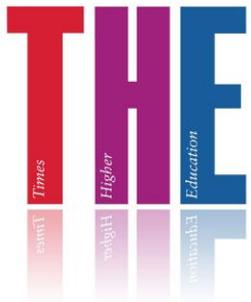


# World University Rankings methodology

Citations – research influence (30%)

Citation impact (normalized average citations per paper) (30%)

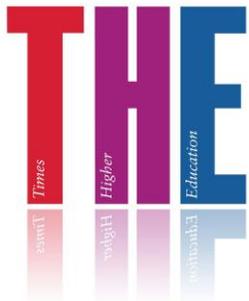




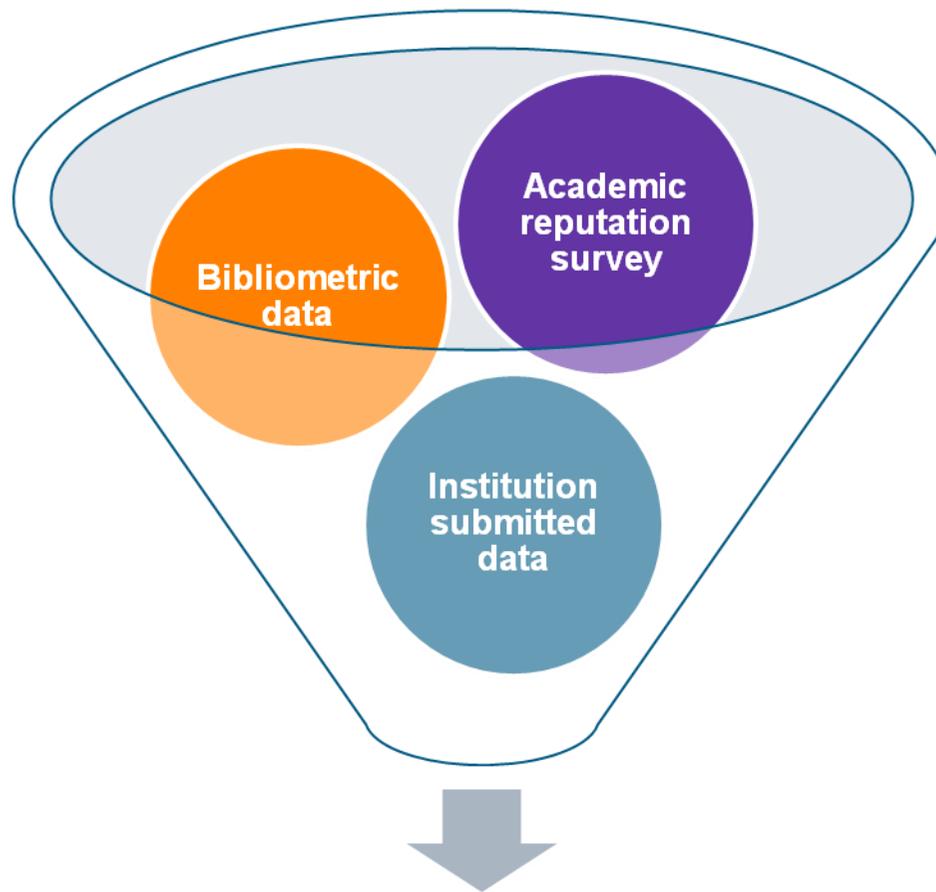
# World University Rankings methodology

Field	Papers	Citation	Citation Impact
Chemistry	618,568	3,335,763	5.39
Engineering	438,538	958,640	2.19
Mathematics	140,219	211,268	1.51
Molecular Biology & Genetics	145,939	1,597,660	10.95
Physics	494,451	2,154,290	4.36





# Thomson Reuters data collection/analysis

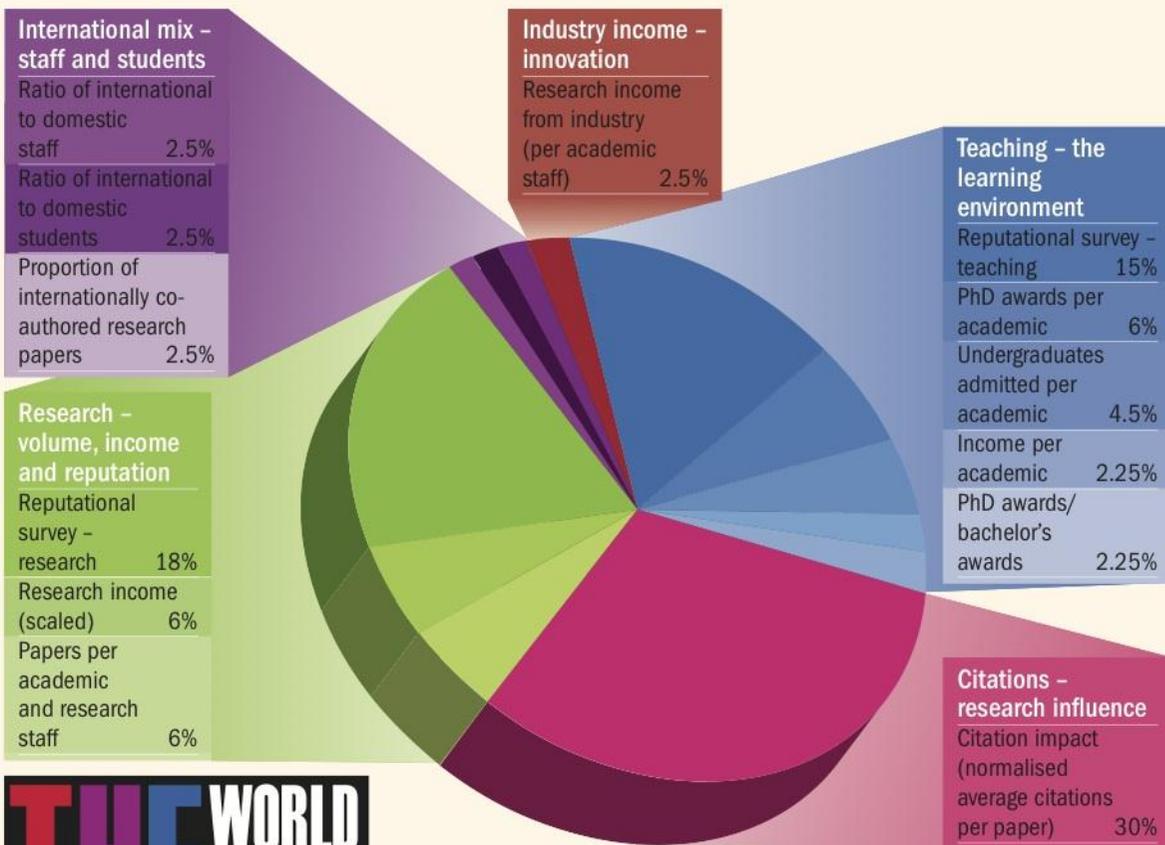


## Profiles Project



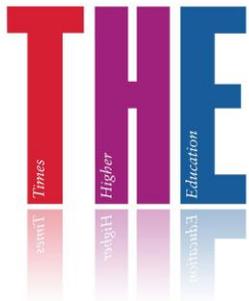
# Methodology in full

## WEIGHTING SCHEME FOR RANKINGS SCORES



For the latest World University Rankings news, debate and social networking, see [www.timeshighereducation.co.uk/world-university-rankings/](http://www.timeshighereducation.co.uk/world-university-rankings/)





## Reactions to the THE WUR system

*"Times Higher rankings -- now increasingly seen as the gold standard"*

**Ferdinand Von Prondzynski**, vice chancellor, Robert Gordon University

*"The new methodology employed by Times Higher Education is less heavily weighted towards subjective assessments of reputation and uses more robust citation measures. This bolstered confidence in the evaluation method."*

**Steve Smith**, president, Universities UK

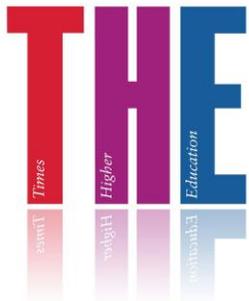
*"I congratulate THE for reviewing the methodology to produce this new picture of the best in higher education worldwide."*

**David Willetts**, UK minister for higher education and science

*"This year Times Higher Education consulted widely to pinpoint weaknesses in other ranking systems and in their previous approach.... These are welcome developments."*

**David Naylor**, president, University of Toronto





## 2011-12: The results



## TOP 10 UNIVERSITIES

Rank	Institution
1	California Institute of Technology
=2	Harvard University
=2	Stanford University
4	University of Oxford
5	Princeton University
6	University of Cambridge
7	Massachusetts Institute of Technology
8	Imperial College London
9	University of Chicago
10	University of California, Berkeley



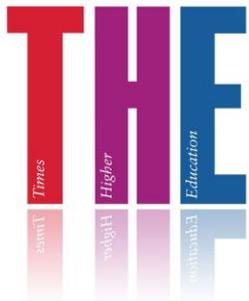
For full results and analysis, see the *Times Higher Education World University Rankings 2011-12* supplement



# THE World University Rankings 2010-11: Results

GLOBAL PLAYERS: COUNTRIES IN THE TOP 200 AND THEIR STARS			
Country/region	Number of institutions in top 200	Country's top-ranked institution	World rank
US	75	California Institute of Technology	1
UK	32	University of Oxford	4
Germany	12	Ludwig-Maximilians-Universität München	45
Netherlands	12	Utrecht University	68
Canada	9	University of Toronto	19
Switzerland	7	ETH Zürich - Swiss Federal Institute of Technology Zürich	15
Australia	7	University of Melbourne	37
Japan	5	University of Tokyo	30
Sweden	5	Karolinska Institute	32
France	5	École Normale Supérieure	59
Hong Kong	4	University of Hong Kong	34
China	3	Peking University	=49
Republic of Korea	3	Pohang University of Science and Technology	53
Belgium	3	Katholieke Universiteit Leuven	67
Denmark	3	Aarhus University	=125
Singapore	2	National University of Singapore	40
Republic of Ireland	2	Trinity College Dublin	=117
Israel	2	Hebrew University of Jerusalem	=121
Norway	2	University of Oslo	=181
Finland	1	University of Helsinki	91
South Africa	1	University of Cape Town	103
Austria	1	University of Vienna	139
Taiwan	1	National Taiwan University	=154
New Zealand	1	University of Auckland	=173
Brazil	1	University of São Paulo	=178
Spain	1	Pompeu Fabra University	186





Rankings website: <http://bit.ly/thewur>

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[Life sciences](#) (published 30th September)  
[Clinical, Pre-clinical & Health](#) (published October 7th)  
[Physical sciences](#) (published October 14th)  
[Social sciences](#) (published October 21st)  
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**World University Rankings 2010-2011**  
POWERED BY THOMSON REUTERS

Phil Batty  
Editor, THE World University Rankings

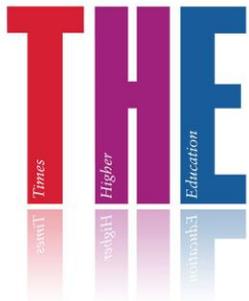
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Although 2010-11 is the seventh year that *Times Higher Education* has published its annual rankings, these tables represent a new level of sophistication. In light of this, the top 200 list and the six subject tables we are publishing should be considered the first of a new annual series, for we have completely overhauled the methodology to deliver our most rigorous, transparent and reliable rankings tables ever. The *Times Higher Education* World University Rankings 2010-11 were developed in concert with our new rankings data provider, Thomson Reuters, with input from more





Rankings website: <http://bit.ly/thewur>



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THE RANKINGS HOME **TOP 200** BY REGION BY SUBJECT ANALYSIS SUBSCRIBE TO THE iPhone APP

WORLD RANK	INSTITUTION	COUNTRY	OVERALL SCORE
1	Harvard University	United States	96.1
2	California Institute of Technology	United States	96.0
3	Massachusetts Institute of Technology	United States	95.6
4	Stanford University	United States	94.3
5	Princeton University	United States	94.2
6	University of Cambridge	United Kingdom	91.2
6	University of Oxford	United Kingdom	91.2
8	University of California Berkeley	United States	91.1
9	Imperial College London	United Kingdom	90.6
10	Yale University	United States	89.5
11	University of California Los Angeles	United States	87.7
12	University of Chicago	United States	86.9
13	Johns Hopkins University	United States	86.4
14	Cornell University	United States	83.9
15	Swiss Federal Institute of Technology Zurich	Switzerland	83.4
15	University of Michigan	United States	83.4
17	University of Toronto	Canada	82.0
18	Columbia University	United States	81.0
19	University of Pennsylvania	United States	79.5

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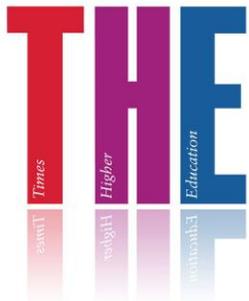
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# THE World University Rankings: iPhone App



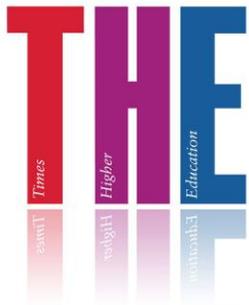
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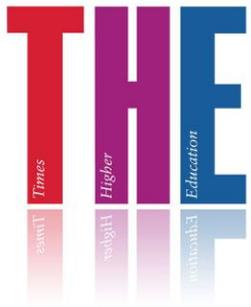




## Over to you

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- Join our rankings Facebook group. [www.facebook.com/THEWorldUniRank](http://www.facebook.com/THEWorldUniRank)
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# Thank you. Stay in touch.

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*Times Higher Education*

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