What makes a great university?
About Times Higher Education

The weekly magazine for all higher education professionals
About www.timeshighereducation.co.uk

The dedicated website for higher education news, jobs and resources
Times Higher Education on the iPad

The dedicated source for higher education news, jobs and resources
About TSL Education

Times Educational Supplement *(TES)*
Times Higher Education *(THE)*
TES Prime
TSL Events
TES Hirewire
THE HireWire
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.
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
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

<table>
<thead>
<tr>
<th>Field</th>
<th>Papers</th>
<th>Citation</th>
<th>Citation Impact</th>
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</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>618,568</td>
<td>3,335,763</td>
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<tr>
<td>Engineering</td>
<td>438,538</td>
<td>958,640</td>
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<tr>
<td>Mathematics</td>
<td>140,219</td>
<td>211,268</td>
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<tr>
<td>Molecular Biology &amp; Genetics</td>
<td>145,939</td>
<td>1,597,660</td>
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<tr>
<td>Physics</td>
<td>494,451</td>
<td>2,154,290</td>
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</table>
Thomson Reuters data collection/analysis

- Bibliometric data
- Academic reputation survey
- Institution submitted data

Profiles Project
Methodology in full

WEIGHTING SCHEME FOR RANKINGS SCORES

- International mix – staff and students
  - Ratio of international to domestic staff: 2.5%
  - Ratio of international to domestic students: 2.5%
  - Proportion of internationally co-authored research papers: 2.5%

- Industry income – innovation
  - Research income from industry (per academic staff): 2.5%

- Teaching – the learning environment
  - Reputational survey – teaching: 15%
  - PhD awards per academic: 6%
  - Undergraduates admitted per academic: 4.5%
  - Income per academic: 2.25%
  - PhD awards/ bachelor's awards: 2.25%

- Research – volume, income and reputation
  - Reputational survey – research: 18%
  - Research income (scaled): 6%
  - Papers per academic and research staff: 6%

Citations – research influence
- Citation impact (normalised average citations per paper): 30%

For the latest World University Rankings news, debate and social networking, see 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

<table>
<thead>
<tr>
<th>Rank</th>
<th>Institution</th>
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<tr>
<td>1</td>
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For full results and analysis, see the *Times Higher Education* World University Rankings 2011-12 supplement.
THE World University Rankings 2010-11: Results

<table>
<thead>
<tr>
<th>Country/region</th>
<th>Number of institutions in top 200</th>
<th>Country's top-ranked institution</th>
<th>World rank</th>
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<tr>
<td>US</td>
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<td>Spain</td>
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<td>Pompeu Fabra University</td>
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</tbody>
</table>
THE World University Rankings: IPhone App

- Learn more about each institution
- Explore the performance of regions and neighbourhoods
- Explore the rankings by user popularity
- Customise the rankings to suit your preferences
Over to you

• Visit the Global Institutional Profiles Project website: http://science.thomsonreuters.com/globalprofilesproject

• Join our rankings Facebook group. www.facebook.com/THEWorldUniRank

• Keep up to date with all the rankings news on Twitter: @THEWorldUniRank
Thank you.
Stay in touch.

Phil Baty
Times Higher Education

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