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RANKINGS**

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2010



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King's is ranked in the top 25 universities worldwide* and based in the heart of London. With nine Schools and six Medical Research Council centres, King's offers world-class teaching and research. Our extensive range of subjects includes humanities, law, medicine, psychiatry, dentistry, nursing, mathematics; natural, biomedical, social and management sciences.

*QS World University Rankings, 2010

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A shift in power

John O'Leary looks at the top performers in this year's QS World University Rankings®

Cambridge has replaced Harvard at the pinnacle of global higher education in the first change of leadership in seven years of the QS World University Rankings*.

The 2010 rankings show a growing European challenge to the domination of US universities, with leading institutions in the UK, Germany and Switzerland in particular, improving their positions. More than 50 countries have at least one university in the top 500.

Some 5,000 employers and over 15,000 academics and university administrators from around the world offered expert opinion on the top universities for the latest QS World University Rankings®. Universities were also judged on their research citations, staffing levels and international activity.

The academic survey is by far the largest since QS first compiled the rankings in 2004. Almost half of the respondents were professors or assistant professors and the survey includes the views of more than 700 university presidents, vice-chancellors and deputy vice-chancellors.

The expanded employer survey is a unique feature of the QS rankings that will be of particular interest to prospective students. Based on their direct experience of graduates, employers often differ from academics in their views of the leading universities, all of which are clear in the detailed tables available at www.topuniversities.com

Cambridge's rise from second place in the ranking was fuelled by significant growth in the number of citations per faculty member and a smaller improvement in staffing levels. Harvard, by contrast, has taken more students since the last rankings were compiled without an equivalent increase in the number of academics.

Cambridge remained the academics' top choice, while Harvard was the employers' favourite. As was the case in 2009, less than one point out of 100 separates the two universities. Cambridge remains top in the natural sciences, while Harvard continues to head the rankings in both life sciences and social sciences.

Yale University and University College London (UCL) hold on to third and fourth places respectively in the 2010 rankings, with the Massachusetts Institute of Technology (MIT) moving up from ninth place to complete the top five. This year's top 20 contains 13 US and four UK universities, but Switzerland, Canada and Australia are also represented.

ETH Zurich, the Swiss technological university, is the leading representative of Continental Europe, as it was last year. It is joined in the top 50 by the Ecoles Polytechniques in Lausanne and Paris, the Ecole Normale Supérieure also in Paris, and the University of Copenhagen.

As in 2009, the UK has Imperial College, London, and Oxford University in the top ten, as well as UCL and Cambridge. King's College London, Edinburgh, Bristol and Manchester universities are all in the top 30.

On the evidence of this year's rankings, the US remains the dominant force in higher education, but the balance of power is shifting to some extent. There are 53 US universities in the top 200, compared with 58 two years ago. Many US universities are feeling the effects of budget cuts and sharp drops in their endowment. Similar or more serious constraints are on the way in the UK and it remains to be seen whether the leading universities can remain as competitive.

The beneficiaries of recession in the West, in ranking terms, may be the rising academic powers of Asia. Hong Kong, Tokyo and Kyoto universities are all just outside the top 20 this year, while the National University of Singapore, Hong Kong University of Science and Technology (HKUST) and the Chinese University of Hong Kong, as well as Peking, Osaka and Seoul National universities all make the top 50.

Australia has the other main group of leading universities, with the Australian National University 20th and Sydney, Melbourne and Queensland all in the top 50.

This is the seventh edition of the QS World University Rankings®, which are the most widely-read of the global comparisons of universities. The rankings are used by governments and employers, as well as universities seeking international partners, but the most numerous users are to be found among the growing number of students choosing courses outside their home country. Since 2000, the student numbers studying abroad have risen from below 2 million to more than 3 million and the increased pressure on university places in a number of countries this year is likely to accelerate the trend.

The main ranking, as well as separate tables for the subject groupings: arts and humanities, engineering and technology, life sciences and medicine, natural sciences, and social sciences and management, are available online at www.topuniversities.com, the home of the QS World University Rankings®. The results of the rankings are also available as an iPhone app, and through QS' international media partners.

*Formerly known as THE-QS World University Rankings 2004-2009



2010 rank	2009 rank	Institution	Country/ Territory	Classification			Academic Reputation		Employer Reputation		Faculty Student		Citations per Faculty		International Faculty		International Students		Overall
				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
1	2	University of Cambridge	GB	L	FC	VH	100	1	100	3	100	18	93	36	96	38=	95	39=	100.0
2	1	Harvard University	US	L	FC	VH	100	2	100	1	97	40	100	3	71	125	87	70=	99.2
3	3	Yale University	US	M	FC	VH	100	10	100	10	100	7	98	22	78	109=	66	149=	98.7
4	4	UCL (University College London)	GB	L	FC	VH	99	23	93	34	99	24=	91	41	94	45	99	18	98.5
5	9	Massachusetts Institute of Technology (MIT)	US	M	CO	VH	100	6	100	4=	100	21	100	9	31	265=	98	24	98.2
6	5=	University of Oxford	GB	L	FC	VH	100	3	100	2	100	12	84	52	96	40	95	38	98.2
7	5=	Imperial College London	GB	L	FC	VH	100	16	100	8	100	17	81	68	99	29=	100	11=	97.8
8	7	University of Chicago	US	M	FC	VH	100	13	96	25	98	32=	93	34	68	135=	89	64	97.5
9	10	California Institute of Technology (Caltech)	US	S	CO	VH	99	26	71	96=	93	49	100	1	99	22=	85	78	96.5
10	8	Princeton University	US	M	CO	VH	100	9	88	45=	82	83=	100	4	96	38=	82	94=	96.0
11	11	Columbia University	US	L	FC	VH	100	14	100	12=	98	37	97	25	17	301+	91	56=	96.0
12	12	University of Pennsylvania (UPenn)	US	L	FC	VH	98	31	98	18	99	26=	96	28=	60	163=	64	153=	96.0
13	16	Stanford University	US	L	FC	VH	100	5	100	6	80	91=	100	2	19	301+	99	17	93.6
14	14	Duke University	US	L	FC	VH	95	38	93	33	100	15=	97	24	17	301+	57	187=	92.3
15	19	University of Michigan	US	XL	FC	VH	100	21	99	16	92	51=	87	48	52	184=	50	222=	92.2
16	15	Cornell University	US	L	FC	VH	100	15	95	28=	76	102=	98	23	26	292=	67	142=	90.4
17	13	Johns Hopkins University	US	L	FC	VH	96	36	65	129	98	35=	100	8	17	301+	55	195=	89.7
18	20=	ETH Zurich (Swiss Federal Institute of Technology)	CH	L	FO	VH	99	27	89	44	47	249=	99	13	100	13	98	22	89.3
19	18	McGill University	CA	L	FC	VH	99	25	98	19	87	70	63	126	66	149	95	44	89.3
20	17	Australian National University (ANU)	AU	M	CO	VH	100	18	80	64	75	106=	72	89	99	26	95	41	88.6
21	23	King's College London (KCL)	GB	L	FC	VH	92	49	88	49	90	56=	70	96	92	56	89	63	88.5
22	20=	University of Edinburgh	GB	L	FC	VH	99	28	96	26	78	97=	65	118	83	88=	87	68=	88.0
23	24	University of Hong Kong (HKU)	HK	L	FC	VH	96	34	74	85	94	48	55	156	100	15	98	28	87.3
24	22	University of Tokyo, The	JP	L	FC	VH	100	8	97	21=	89	61=	75	80	12	301+	39	278=	86.7
25	25	Kyoto University	JP	L	FC	VH	100	20	88	45=	96	41	72	86	14	301+	24	301+	85.9
26	32=	Northwestern University	US	L	FC	VH	90	55	91	36=	86	74=	82	65=	12	301+	92	54	85.4
27	34	University of Bristol	GB	L	FC	VH	90	53	99	15	79	96	71	94	84	84	71	126=	85.2
28	39	University of California, Berkeley (UCB)	US	XL	FC	VH	100	4	100	7	38	301+	97	27	92	55	40	266=	85.2
29	29	University of Toronto	CA	XL	FC	VH	100	11	94	31	57	183=	79	70	79	105=	46	238=	84.3
30	26	University of Manchester	GB	XL	FC	VH	98	32	100	11	65	141=	55	158	85	77=	90	58=	83.3
31	30	National University of Singapore (NUS)	SG	XL	FC	VH	100	12	97	23	64	150=	44	224	100	7	100	13	82.8
32	42	École Polytechnique Fédérale de Lausanne (EPFL)	CH	M	FO	VH	74	95	71	98	98	35=	71	90	100	3	100	7	82.3
33	28	École Normale Supérieure de Paris (ENS Paris)	FR	S	SP	VH	95	39	72	93	97	39	51	182	35	241=	75	115	82.1
34	27	Carnegie Mellon University (CMU)	US	M	FC	VH	89	57	83	55=	73	111=	76	77	37	232=	96	35	81.8
35	32=	University of California, Los Angeles (UCLA)	US	XL	FC	VH	100	7	98	17	43	278=	100	5	4	301+	27	301+	81.5
36	36=	École Polytechnique, ParisTech	FR	S	CO	VH	75	92	98	20	100	8	58	142	70	128	95	42=	81.3
37	36=	University of Sydney	AU	XL	FC	VH	99	24	93	32	54	199=	51	184	99	25	94	46=	81.3
38	36=	University of Melbourne	AU	XL	FC	VH	100	19	100	9	40	300=	63	129	78	109=	95	39=	80.6
39	31	Brown University	US	M	FC	VH	87	61	71	101	60	167=	99	18	58	168	53	205=	80.5
40	35	Hong Kong University of Science and Technology	HK	M	CO	VH	86	64	71	99	82	85=	48	204=	100	5	98	26=	78.7
41	52=	New York University (NYU)	US	XL	FC	VH	94	45	90	40	91	55	44	227=	22	301+	51	212=	78.4
42	46	Chinese University of Hong Kong (CUHK)	HK	L	FC	VH	88	58	64	133	74	110	55	161	97	37	86	76=	77.9
43	41	University of Queensland (UQ)	AU	XL	FC	VH	90	54	85	51	43	274=	69	101=	98	32	84	83=	77.6
44	40	University of British Columbia (UBC)	CA	XL	FC	VH	100	17	79	68	38	301+	82	57	24	301+	57	187=	77.4
45	51	University of Copenhagen	DE	L	FC	VH	87	60	66	126=	100	14	44	225	57	175	45	240	76.7
46	47=	University of New South Wales (UNSW)	AU	XL	FC	VH	95	40=	91	35	40	300=	57	147=	81	95=	93	50	76.7
47	52=	Peking University	CN	L	FC	VH	100	22	90	38	95	44=	23	301+	18	301+	34	299=	76.4
48	61=	University of Wisconsin-Madison	US	XL	FC	VH	94	42	63	140	70	119=	69	101=	27	286	34	301+	76.3
49	43=	Osaka University	JP	L	FC	VH	84	68	69	109=	90	56=	72	88	13	301+	25	301+	76.2
50	47=	Seoul National University (SNU)	KR	L	FC	VH	96	33	62	142=	90	58=	43	233	28	281=	38	281=	76.1
51	57	Ruprecht-Karls-Universität Heidelberg	DE	L	FC	VH	93	48	38	276=	82	85=	55	162=	49	186=	74	119	75.9
52	43=	Trinity College Dublin	IE	L	FC	HI	86	63	81	63	64	145=	46	214	99	29=	84	83=	75.0
53	58	University of Warwick	GB	L	FC	HI	92	50	100	12=	55	195=	31	301+	85	80=	96	34	74.3
54	49=	Tsinghua University	CN	L	FC	VH	98	30	78	70=	88	68	24	301+	42	214=	27	301+	74.2
55	80	University of Washington	US	XL	FC	VH	91	52	49	203	47	243=	100	7	9	301+	25	301+	73.8
56	49=	University of Amsterdam	NL	XL	FC	VH	94	47	67	119	60	167=	64	124	37	234	27	301+	73.5
57	78	University of North Carolina, Chapel Hill	US	L	FC	VH	78	86	64	131	76	102=	88	46	10	301+	17	301+	73.2
58	55=	Technische Universität München (TUM)	DE	L	FC	VH	78	85	81	61	97	38	34	278	46	195=	70	131=	73.0
59	66	University of Birmingham	GB	L	FC	VH	81	78	84	54	58	176=	56	153	80	100=	72	124=	72.7
60	55=	Tokyo Institute of Technology	JP	M	FO	VH	75	94	73	91	88	69	67	111	22	301+	44	245=	72.6

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				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
61	45	Monash University	AU	XL	FC	VH	95	40=	96	27	48	242	32	297=	57	174	97	31	72.5
62	75	Uppsala University	SE	L	FC	VH	85	65	45	230=	45	263=	86	50	75	118=	45	241=	72.2
63	63=	University of Illinois at Urbana-Champaign (UIUC)	US	XL	FC	VH	96	35	56	167=	23	301+	89	43	32	257=	49	226=	71.8
64	54	Boston University	US	L	FC	VH	76	89	72	94	66	135=	71	93	14	301+	88	65	71.7
65	76=	University of California, San Diego (UCSD)	US	L	FC	VH	98	29	54	182	23	301+	100	6	5	301+	18	301+	71.6
66	98	Ludwig-Maximilians-Universität München (LMU)	DE	XL	FC	VH	94	44	49	209	29	301+	82	63	46	193=	59	178=	71.3
67	76=	University of Texas at Austin (UT Austin)	US	XL	FC	VH	96	37	84	53	26	301+	68	107	55	181	35	292=	71.2
68	61=	University of Auckland	NZ	L	FC	VH	94	43	90	39	29	301+	40	248	92	57	98	29=	71.1
69	82	University of Sheffield	GB	L	FC	VH	72	101	81	62	67	131=	57	147=	80	102=	77	109=	70.8
70	94	Freie Universität Berlin	DE	XL	FC	VH	89	56	31	301+	27	301+	97	26	43	206=	73	121=	70.6
71	72	University of Geneva	CH	L	FC	VH	63	135	28	301+	63	152=	93	35	99	19	100	16	70.5
72	67=	Lund University	SE	L	FC	VH	85	67	66	125	40	300=	84	53	36	237	41	263=	70.4
73	91	University of Nottingham	GB	L	FC	VH	76	90	94	30	59	173=	42	234	85	77=	88	66=	70.0
74	73=	Nanyang Technological University (NTU)	SG	L	CO	VH	82	76	75	82	69	122=	22	301+	100	4	99	19	69.8
75=	108=	University of Helsinki	FI	L	CO	VH	83	71	45	229	72	114=	71	92	28	284=	13	301+	69.6
75=	73=	Washington University in St. Louis	US	L	FC	VH	54	176	38	270	100	20	99	19	14	301+	54	200=	69.6
77	79	University of Glasgow	GB	L	FC	VH	77	88	69	109=	61	158=	62	130	62	154	57	187=	69.5
78	59	University of Alberta	CA	XL	FC	VH	79	84	71	96=	57	183=	51	189	90	63	67	146=	69.3
79	69	KAIST - Korea Advanced Institute of Sci. & Tech.	KR	M	CO	VH	81	80	53	185=	88	66=	46	216	39	219=	25	301+	69.1
80	67=	London School of Economics and Political Science (LSE)	GB	M	SP	VH	88	59	100	4=	47	249=	15	301+	100	16	100	1	68.9
81	95=	University of Southampton	GB	L	FC	VH	71	105	72	95	66	135=	53	172=	86	76	77	111	68.9
82	60	Leiden University	NL	L	FC	VH	83	72	46	223	27	301+	99	14	70	129=	22	301+	68.8
83	70=	Utrecht University	NL	L	FC	VH	82	74	52	190	57	183=	76	78	39	222=	18	301+	68.8
84	63=	Aarhus University	DE	L	FC	VH	70	111	52	192=	91	53	48	203	56	177	67	142=	68.6
85	99	University of Leeds	GB	L	FC	VH	80	83	88	48	52	217=	41	244	72	123=	81	96=	68.1
86	65	Katholieke Universiteit Leuven	BE	XL	FC	VH	84	69	66	123	26	301+	78	74	48	189	59	182=	67.6
87	87=	Purdue University	US	XL	FC	VH	78	87	89	41=	37	301+	57	150	93	49	60	173=	67.5
88	70=	University of York	GB	M	FC	VH	66	124	80	66	67	131=	53	172=	76	114=	80	99=	67.4
89	84	University of Western Australia (UWA)	AU	L	FC	VH	71	104	67	118	40	300=	66	113	99	24	87	70=	67.0
90	85	Dartmouth College	US	M	FC	VH	45	231	77	75	86	74=	99	21	11	301+	50	218=	66.9
91	92=	Nagoya University	JP	L	FC	VH	66	123	66	126=	87	71=	63	127	18	301+	28	301+	66.4
92	103=	Durham University	GB	L	FC	HI	66	122	97	24	50	232=	56	154	89	66	70	135=	66.3
93	101=	Lomonosov Moscow State University	RU	XL	FC	VH	83	70	79	67	100	10	5	301+	9	301+	43	249=	66.1
94	95=	National Taiwan University (NTU)	TW	XL	FC	VH	94	46	68	115	37	301+	57	146	17	301+	17	301+	66.0
95	87=	University of St Andrews	GB	M	FC	VH	60	144	77	77	64	145=	52	177	92	52=	100	11=	65.7
96	105	University of Minnesota	US	XL	FC	VH	81	79	45	230=	21	301+	99	16	42	212=	24	301+	65.6
97	122=	Universität Freiburg	DE	L	FC	VH	73	97	25	301+	94	46	39	254	44	204	67	146=	65.1
98	120=	Pennsylvania State University (Penn State)	US	XL	FC	VH	74	96	70	103	39	301+	82	60	24	301+	33	301+	64.9
99	108=	Erasmus University Rotterdam	NL	L	FO	VH	52	188	89	41=	54	205=	88	47	32	255=	75	116=	64.5
100	101	University of Oslo	NO	L	FC	VH	72	100	50	201	89	61=	32	301+	34	244=	68	139	64.2
101	92=	University of Zurich	CH	L	FC	VH	75	91	35	299=	34	301+	71	91	99	22=	64	155	64.0
102	97	Tohoku University	JP	L	FC	VH	59	152	59	153	96	42	58	140	25	297=	23	301+	64.0
103	81	University of Adelaide	AU	L	FC	VH	69	113	72	92	33	301+	61	133	85	77=	94	46=	63.9
104	122=	University of Maryland, College Park	US	XL	FC	VH	67	121	35	301+	68	127=	79	72	31	265=	31	301+	63.7
105	103=	Fudan University	CN	L	FC	VH	85	66	82	58	50	232=	36	268=	17	301+	41	263=	63.4
106	86	Georgia Institute of Technology	US	L	CO	VH	64	133	82	59=	18	301+	99	20	32	259=	73	120	63.3
107	90	Emory University	US	L	FC	VH	42	246	55	178	86	74=	95	31	27	287	44	245=	63.2
108	83	Delft University of Technology (TU Delft)	NL	L	FO	VH	72	99	73	87	50	232=	40	246	88	69=	66	149=	63.1
109	102	Hebrew University of Jerusalem	IL	L	FC	VH	72	102	23	301+	54	199=	80	69	59	166=	25	301+	63.1
110	108=	University of California, Davis (UCD)	US	L	FC	VH	71	106	36	292	42	286=	96	30	22	301+	23	301+	62.9
111	116	Maastricht University	NL	L	FO	VH	41	247	60	151	80	91=	74	83	66	148	100	10	62.8
112	134	Pohang University of Scie. and Tech. (POSTECH)	KR	S	FO	VH	49	206	31	301+	95	44=	83	56	61	158=	7	301+	62.8
113	112	University of Southern California (USC)	US	XL	FC	VH	57	159	53	184	65	141=	68	106	52	184=	87	68=	62.7
114	89	University College Dublin (UCD)	IE	L	FC	HI	67	120	79	69	60	167=	27	301+	94	44	90	61	62.4
115	100	Rice University	US	M	FC	VH	48	210	34	301+	72	114=	93	37	34	244=	60	172	61.5
116	106	University of California, Santa Barbara (UCSB)	US	L	CO	VH	82	77	32	301+	14	301+	99	17	24	301+	10	301+	61.4
117	129=	University of Aberdeen	GB	L	FC	HI	58	154	56	166	63	152=	50	194	85	82	90	62	61.3
118	117	Université Pierre et Marie Curie (UPMC)	FR	XL	FO	VH	71	107	21	301+	83	82	36	268=	19	301+	85	81=	60.5
119	114=	University of Pittsburgh	US	L	FC	VH	47	216=	24	301+	84	79=	82	61	70	127	23	301+	60.4
120	138=	University of Groningen	NL	L	FC	VH	61	140	49	205=	58	176=	63	128	64	151=	47	234=	60.3

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				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
121	137	University of Liverpool	GB	L	FC	VH	52	185	63	141	67	131=	50	195=	95	43	62	162=	59.5
122	135	Cardiff University	GB	L	FC	VH	61	141	70	107	54	199=	46	215	67	143	70	131=	59.5
123	146=	Humboldt-Universität zu Berlin	DE	L	FC	HI	91	51	37	282	31	301+	36	267	36	235=	52	208=	59.3
124	126=	Université Catholique de Louvain (UCL)	BE	L	FC	HI	70	108	52	192=	14	301+	82	62	39	224=	71	129	59.1
125	129=	Ohio State University	US	XL	FC	VH	65	128	63	134	36	301+	67	109	66	147	35	292=	59.1
126	120=	Eindhoven University of Technology (TU Eindhoven)	NL	M	FO	VH	49	208	47	220	99	29	34	282	99	27	39	278=	58.5
127=	119	Case Western Reserve University	US	M	FC	VH	39	273	28	301+	87	71=	92	38	10	301+	57	190=	58.4
127=	141	University of Rochester	US	M	FC	VH	39	262=	18	301+	99	22	68	108	68	135=	61	169=	58.4
129	124	City University of Hong Kong	HK	M	CO	VH	62	137	46	228	61	165=	38	257=	100	14	64	153=	58.4
130	128	University of Virginia	US	L	FC	VH	52	186	76	80	53	213=	82	59	9	301+	27	301+	58.3
131	149=	Eberhard Karls Universität Tübingen	DE	L	FC	VH	64	131	26	301+	51	225=	59	138	70	129=	67	146=	58.2
132	118	Queen's University	CA	L	FC	VH	63	136	76	78=	47	243=	55	159=	60	161=	18	301+	58.2
133	144=	University of Bergen	NO	M	FC	VH	49	205	42	247	69	126	59	137	79	105=	69	137=	57.9
134	140	Vanderbilt University	US	M	FC	VH	39	260	61	146	100	5=	59	139	21	301+	29	301+	57.2
135	125	University of Otago	NZ	L	FC	VH	60	142	63	138	32	301+	51	188	100	6	82	93	57.1
136	107	Université de Montréal	CA	XL	FC	VH	66	125	26	301+	30	301+	64	122	82	93	84	83=	56.9
137	108=	University of Basel	CH	M	FC	VH	60	145	30	301+	69	122=	27	301+	100	8	88	66=	56.7
138	114=	Tel Aviv University	IL	L	FC	VH	68	117	32	301+	17	301+	100	11	28	279=	10	301+	56.4
139	126=	École Normale Supérieure de Lyon (ENS Lyon)	FR	S	CO	VH	42	243	45	232	100	3	41	241=	45	200=	68	140	56.2
140	158	Newcastle University	GB	L	FC	VH	41	249	73	88	65	141=	52	174	81	94	75	118	56.1
141	159	Technical University of Denmark	DE	M	FO	VH	34	301+	36	298	98	32=	55	165	91	61	49	226=	55.6
142	151=	Yonsei University	KR	XL	FC	VH	70	110	42	248=	82	83=	18	301+	13	301+	31	301+	55.5
143	132=	University of Vienna	AT	XL	FC	HI	81	82	47	216	8	301+	44	227=	60	163=	78	105=	55.3
144	144=	University of Bath	GB	L	CO	VH	51	193	89	43	40	301+	40	247	86	75	95	42=	55.3
145	113	University of Waterloo	CA	L	CO	VH	70	109	64	132	16	301+	54	167	67	144=	38	284=	54.7
146	161	University of California, Irvine	US	L	FC	VH	64	132	20	301+	23	301+	99	15	9	301+	20	301+	54.7
147	164	Queen Mary, University of London (QMUL)	GB	L	FC	HI	59	150	49	204	69	122=	11	301+	92	54	87	70=	54.5
148	171=	Universitat de Barcelona	ES	XL	FC	VH	82	73	49	205=	23	301+	45	221	7	301+	28	301+	54.3
149	220=	Radboud University Nijmegen	NL	L	FC	VH	35	298	36	288	77	101	81	67	49	188	29	301+	54.2
150	174=	KTH, Royal Institute of Technology	SE	L	CO	VH	53	179	49	208	63	152=	32	297=	58	169=	94	48	53.7
151	153	Shanghai Jiao Tong University (SJTU)	CN	L	FC	VH	69	115	62	142=	60	167=	28	301+	19	301+	9	301+	53.7
152	168=	University of Lausanne	CH	M	FO	VH	41	248	37	284=	57	183=	62	131	90	64=	80	99=	53.4
153	155=	Kyushu University	JP	L	FC	VH	44	233	58	156=	94	47	42	235=	8	301+	22	301+	53.3
154	154	University of Science and Technology of China	CN	L	CO	VH	65	129	50	199=	54	205=	52	178=	4	301+	2	301+	53.3
155	129=	Georgetown University	US	L	FC	HI	51	195	75	81	66	137=	39	255	18	301+	52	208=	53.1
156	166=	University of Sussex	GB	M	FC	VH	54	167=	34	301+	44	268=	50	192=	87	71	76	112	53.1
157	160	Tufts University	US	M	FC	VH	26	301+	42	245	58	181=	94	33	100	12	38	284=	52.7
158	182	RWTH Aachen	DE	XL	FC	HI	51	189	82	57	72	114=	17	301+	43	206=	60	173=	52.6
159	132=	Technion - Israel Institute of Technology	IL	M	FC	VH	65	130	44	236	37	301+	66	115	7	301+	7	301+	52.4
160	166=	University of Arizona	US	XL	FC	VH	57	157	34	301+	31	301+	83	55	25	299=	24	301+	52.4
161	146=	University of Cape Town	ZA	L	FC	HI	54	175	65	128	34	301+	47	209=	68	135=	69	137=	52.0
162=	193=	University of Bern	CH	L	FO	VH	34	301+	21	301+	53	213=	89	44	91	59	44	245=	51.9
162=	143	McMaster University	CA	L	FC	VH	59	147	39	269	25	301+	76	76	24	301+	35	292=	51.9
164	151=	University of Western Ontario	CA	L	FC	VH	50	199	59	155	19	301+	90	42	46	195=	17	301+	51.8
165	149=	University of Calgary	CA	L	FC	VH	60	143	53	183	8	301+	88	45	18	301+	25	301+	51.7
166=	195	Hong Kong Polytechnic University	HK	L	CO	VH	58	155	38	272	40	301+	34	283	99	21	82	91=	51.7
166=	184	Universität Karlsruhe	DE	L	CO	VH	49	203	70	106	72	114=	20	301+	42	214=	70	135=	51.7
168	215=	Stockholm University	SE	L	CO	VH	73	98	35	301+	24	301+	41	241=	83	88=	15	301+	51.5
169	196=	University of Leicester	GB	L	FC	HI	35	301+	37	283	53	213=	70	97	81	98=	85	79=	51.5
170	186=	University of Colorado at Boulder	US	L	CO	VH	47	216=	18	301+	49	240=	92	40	25	297=	10	301+	51.5
171	165	Vrije Universiteit Amsterdam (VU Amsterdam)	NL	L	FC	VH	59	151	53	185=	61	158=	35	276	30	268=	19	301+	51.4
172	174=	University of Tsukuba	JP	L	FC	VH	54	167=	42	248=	76	102=	37	266	13	301+	30	301+	51.4
173	211=	Universitat Autònoma de Barcelona	ES	L	FC	VH	71	103	32	301+	40	301+	40	249	16	301+	37	287=	51.3
174	186=	Georg-August-Universität Göttingen	DE	L	FC	VH	58	156	20	301+	64	145=	43	230	33	253=	41	265	51.2
175	171=	Hokkaido University	JP	L	FC	VH	41	253=	58	156=	67	131=	67	110	5	301+	18	301+	51.1
176	174=	Università di Bologna	IT	XL	FC	VH	81	81	55	172	28	301+	24	301+	13	301+	20	301+	50.9
177	168=	Nanjing University	CN	L	FC	VH	69	116	47	218	47	249=	29	301+	42	212=	6	301+	50.6
178	155=	Wageningen University	NL	M	FO	VH	37	286	30	301+	99	23	31	301+	13	301+	98	29=	50.4
179	177=	University of Antwerp	BE	M	FC	VH	39	268	35	299=	99	26=	26	301+	57	172=	51	214=	50.3
180	138=	Chulalongkorn University	TH	XL	FC	HI	75	93	66	122	51	225=	7	301+	17	301+	3	301+	50.2

2010 rank	2009 rank	Institution	Country/ Territory	Classification			Academic Reputation		Employer Reputation		Faculty Student		Citations per Faculty		International Faculty		International Students		Overall
				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
181	162	Lancaster University	GB	M	FC	VH	43	238	60	150	56	191=	33	285=	77	112	85	79=	50.2
182	148	Waseda University	JP	XL	CO	VH	70	112	88	45=	39	301+	8	301+	32	255=	33	301+	50.1
183	185	University of Gothenburg	SE	L	FC	VH	46	223	26	301+	35	301+	64	125	81	97	90	58=	50.1
184	207=	University College Cork (UCC)	IE	L	FC	HI	46	219	68	112	57	183=	27	301+	85	80=	54	200=	50.1
185	191=	University of Reading	GB	L	CO	VH	46	225	57	163	47	243=	38	257=	81	98=	80	98	50.0
186	228	Université Paris Sorbonne, Paris 4	FR	L	SP	VH	86	62	56	167=	17	301+	1	301+	7	301+	78	104	49.0
187	163	Indian Institute of Technology Bombay (IITB)	IN	M	CO	VH	62	138	87	50	39	301+	33	291	3	301+	2	301+	48.8
188	225	University of Iowa	US	L	FC	VH	37	289=	28	301+	54	205=	84	51	32	259=	24	301+	48.7
189	188	University of Canterbury	NZ	L	CO	VH	54	173=	74	83	21	301+	28	301+	99	18	78	105=	48.5
190	205	Sapienza Università di Roma	IT	XL	FC	VH	82	75	40	258=	11	301+	37	261	3	301+	18	301+	48.4
191	211=	Korea University	KR	XL	FC	VH	67	119	39	263=	59	173=	17	301+	16	301+	15	301+	48.4
192	136	University of Ghent	BE	L	FC	VH	54	173=	39	265	61	158=	37	265	20	301+	27	301+	48.4
193	201=	University of Florida	US	XL	FC	VH	51	194	35	301+	31	301+	75	81	18	301+	29	301+	48.3
194	173	Stony Brook University	US	L	FC	VH	40	258	26	301+	42	286=	68	105	55	179	81	96=	48.2
195	233	Universität Frankfurt am Main	DE	XL	FC	VH	55	165	37	280	33	301+	55	164	16	301+	67	142=	48.2
196	223=	National Tsing Hua University	TW	M	CO	VH	60	146	39	262	25	301+	64	123	18	301+	11	301+	47.9
197	201=	Queen's University of Belfast	GB	L	FC	HI	39	267	68	113=	54	199=	35	275	98	33	38	281=	47.9
198	179	Texas A&M University	US	XL	FC	VH	51	190	52	195	21	301+	73	85	21	301+	31	301+	47.9
199	200	University of Twente	NL	M	FO	VH	41	251	41	252=	51	221=	39	253	83	90=	83	87=	47.7
200	237=	Rheinische Friedrich-Wilhelms-Universität Bonn	DE	L	FC	VH	55	164	21	301+	64	150=	32	297=	16	301+	53	205=	47.5
201	215=	University of Dundee	GB	M	FC	VH	31	301+	24	301+	64	145=	61	134	80	102=	55	195=	47.5
202	181	Indian Institute of Technology Delhi (IITD)	IN	M	CO	VH	55	162	78	74	41	292=	41	238	1	301+	2	301+	47.4
203	204	Sciences Po, Paris	FR	M	SP	VH	33	301+	82	59=	89	65	1	301+	45	200=	97	32=	47.4
204	198	Chalmers University of Technology	SE	M	CO	VH	46	220=	39	267	47	249=	46	213	42	209=	70	133=	47.3
205	206	Universität Stuttgart	DE	L	CO	VH	42	242	48	211=	79	94=	14	301+	36	238=	86	74	47.2
206	142	Keio University	JP	XL	FC	VH	55	163	85	52	59	173=	14	301+	15	301+	9	301+	47.2
207	180	Universiti Malaya (UM)	MY	L	FC	HI	50	198	55	177	68	127=	4	301+	68	141	57	190=	47.1
208	222	Michigan State University (MSU)	US	XL	FC	VH	51	191=	57	162	29	301+	54	166	23	301+	41	260=	47.1
209	191=	Université Libre de Bruxelles (ULB)	BE	L	FC	HI	51	191=	44	235	34	301+	29	301+	75	120=	96	36	46.7
210	168=	St.-Petersburg University	RU	L	FC	HI	49	207	51	196	98	31	3	301+	3	301+	16	301+	46.7
211	264=	University of Turku	FI	M	FC	VH	37	280	29	301+	74	108=	53	171	34	251=	9	301+	46.4
212	214	Dalhousie University	CA	L	FC	VH	39	270	36	297	46	257=	65	120	38	228=	50	222=	46.4
213	215=	Universidad Autónoma de Madrid	ES	L	FC	VH	65	126	38	273=	15	301+	54	170	15	301+	17	301+	46.1
214	196=	Simon Fraser University	CA	L	CO	VH	53	178	37	279	18	301+	48	207	83	87	52	211	45.9
215	309=	Julius-Maximilians-Universität Würzburg	DE	M	FC	VH	28	301+	15	301+	78	97=	66	116	31	264	39	278=	45.9
216	183	Rutgers, The State University of New Jersey	US	XL	CO	VH	54	171=	26	301+	38	301+	50	195=	39	222=	20	301+	45.6
217	211=	Technische Universität Berlin	DE	L	CO	VH	61	139	41	252=	34	301+	16	301+	41	216	80	101	45.5
218	247=	Zhejiang University	CN	XL	FC	VH	65	127	23	301+	43	278=	33	284	14	301+	8	301+	45.5
219	199	University of Notre Dame	US	M	CO	VH	37	288	61	147	50	232=	58	143	11	301+	27	301+	45.0
220	189	Macquarie University	AU	L	FC	HI	50	200	63	136	12	301+	32	301+	84	83	100	14	45.0
221	247=	King Saud University (KSU)	SA	XL	FC	LO	50	196	37	284=	75	106=	2	301+	89	67	9	301+	44.9
222	190	Universidad Nacional Autónoma de México (UNAM)	MX	XL	FC	VH	63	134	67	116	51	221=	4	301+	16	301+	4	301+	44.9
223	209	Rensselaer Polytechnic Institute	US	M	CO	VH	30	301+	34	301+	47	249=	82	65=	24	301+	40	274=	44.8
224	223=	RMIT University	AU	XL	CO	VH	52	187	77	76	21	301+	7	301+	99	20	100	4	44.8
225	229=	Victoria University of Wellington	NZ	L	CO	VH	54	171=	63	135	19	301+	15	301+	100	17	77	109=	44.4
226	218=	Université Paris 11, Sud	FR	L	FO	VH	40	257	8	301+	55	195=	50	192=	46	198	63	156=	44.2
227	193=	Indiana University Bloomington	US	XL	FC	VH	50	201	56	164	25	301+	51	186=	18	301+	34	299=	44.1
228	220=	Mahidol University	TH	L	FC	HI	45	229	46	226	84	79=	11	301+	16	301+	8	301+	43.7
229	277=	Université Paris 1, Panthéon-Sorbonne	FR	XL	FO	VH	69	114	61	144	18	301+	3	301+	17	301+	83	87=	43.7
230	237=	University of Massachusetts, Amherst	US	L	CO	VH	53	182	31	301+	27	301+	55	162=	30	268=	15	301+	43.6
231	226	University of Ottawa	CA	XL	FC	VH	44	232	30	301+	18	301+	68	104	76	114=	18	301+	43.5
232	243	National University of Ireland, Galway	IE	M	FC	HI	35	301+	58	159	61	158=	14	301+	93	50	68	141	43.5
233	237=	Wake Forest University	US	M	FC	VH	5	301+	43	241	100	9	75	82	2	301+	17	301+	43.2
234	218=	Kobe University	JP	L	FC	VH	45	230	55	179=	57	183=	30	301+	10	301+	20	301+	43.0
235	244=	University of Miami	US	L	FC	VH	21	301+	22	301+	72	114=	58	141	69	134	40	266=	43.0
236	201=	University of Indonesia	ID	XL	FC	LO	59	149	59	152	58	181=	1	301+	12	301+	3	301+	42.9
237	270	Norwegian University of Science and Technology	NO	L	FC	VH	38	276=	51	197	49	240=	33	285=	60	161=	44	245=	42.8
238	227	Vrije Universiteit Brussel (VUB)	BE	M	FC	VH	36	293	43	243	73	111=	31	301+	9	301+	40	266=	42.8
239	295=	Tulane University	US	M	FC	VH	15	301+	46	224	88	66=	52	178=	17	301+	48	228=	42.7
240	264=	Vienna University of Technology	AT	M	FO	VH	34	301+	33	301+	65	141=	28	301+	47	191=	78	103	42.7

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				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
241	241=	University of Victoria	CA	L	CO	VH	32	301+	36	290	11	301+	83	54	74	122	57	186	42.6
242	272	Universität Hamburg	DE	XL	FC	HI	57	158	26	301+	50	232=	15	301+	19	301+	50	218=	42.6
243	249	University of Surrey	GB	M	CO	VH	31	301+	56	165	39	301+	32	294=	89	68	95	45	42.4
244	259=	Universität Mannheim	DE	M	FO	VH	27	301+	70	105	5	301+	99	12	11	301+	49	225	42.4
245	301	Universität Köln	DE	XL	FC	HI	52	184	35	301+	23	301+	46	217	24	301+	47	234=	42.3
246	254=	Université de Strasbourg	FR	XL	FC	MD	59	148	33	301+	21	301+	25	301+	29	277=	72	123	42.1
247	279=	Universität Ulm	DE	M	FO	VH	11	301+	19	301+	99	24=	57	145	30	271=	42	256=	42.1
248	291=	University of Liege	BE	L	FC	VH	32	301+	31	301+	24	301+	79	71	19	301+	75	116=	42.0
249	237=	Indian Institute of Technology Kanpur (IITK)	IN	S	CO	VH	43	239	58	158	40	301+	51	185	-	301+	1	301+	42.0
250	210	Aalto University	FI	L	SP	VH	31	301+	38	271	89	61=	15	301+	39	224=	42	253=	41.9
251	254=	Flinders University	AU	L	FC	MD	33	301+	36	293=	93	50	10	301+	5	301+	71	130	41.9
252	-	University of Illinois, Chicago (UIC)	US	L	FC	VH	26	301+	8	301+	45	263=	94	32	6	301+	34	299=	41.9
253	207=	Universidade de São Paulo	BR	XL	FC	VH	58	153	39	261	38	301+	24	301+	20	301+	7	301+	41.7
254	259=	Hiroshima University	JP	L	FC	VH	34	301+	34	301+	81	90	31	301+	9	301+	19	301+	41.7
255	266=	King Fahd University of Petroleum & Minerals (KFUPM)	SA	M	FO	VH	27	301+	31	301+	92	51=	5	301+	100	2	51	214=	41.5
256	266=	University of Newcastle	AU	L	FC	HI	46	222	52	194	16	301+	33	288=	78	111	72	124=	41.5
257	232	University of Technology, Sydney	AU	L	CO	VH	43	237	74	84	21	301+	11	301+	99	28	92	53	41.4
258	234=	SOAS - School of Oriental and African Studies	GB	S	SP	VH	39	262=	47	217	50	232=	1	301+	98	31	100	8	41.3
259	266=	University of Exeter	GB	L	FC	HI	33	301+	67	117	31	301+	32	301+	78	108	78	105=	41.1
260	317	Universität Erlangen-Nürnberg	DE	L	FC	VH	33	301+	16	301+	39	301+	65	121	62	155=	35	292=	41.0
261	312=	Università degli Studi di Padova (UNIPD)	IT	XL	FC	VH	54	170	30	301+	9	301+	65	119	3	301+	13	301+	40.9
262	284	Indian Institute of Technology Madras (IITM)	IN	S	CO	VH	45	226=	67	120	36	301+	41	239	-	301+	-	301+	40.9
263	291=	Universiti Kebangsaan Malaysia (UKM)	MY	L	FC	MD	46	224	37	281	61	165=	3	301+	72	123=	37	287=	40.8
264	262=	George Washington University	US	L	FC	HI	42	244	53	185=	40	300=	39	252	3	301+	38	281=	40.8
265	254=	University of Strathclyde	GB	L	CO	VH	37	281=	71	100	38	301+	21	301+	71	126	52	208=	40.7
266	288=	Technische Universität Darmstadt	DE	L	FO	VH	30	301+	31	301+	78	97=	15	301+	44	203	80	102	40.7
267=	229=	Charles University	CZ	XL	FC	VH	50	197	29	301+	52	217=	15	301+	9	301+	60	173=	40.7
267=	251	University of Wollongong	AU	L	FC	HI	31	301+	69	108	37	301+	21	301+	92	51	93	52	40.7
269	252=	Universidad Complutense de Madrid	ES	XL	FC	HI	68	118	40	258=	20	301+	17	301+	15	301+	14	301+	40.6
270	229=	Loughborough University	GB	L	FO	VH	36	296	78	70=	34	301+	19	301+	75	120=	63	156=	40.3
271	258	Laval University	CA	L	FC	VH	35	301+	31	301+	11	301+	78	73	57	172=	25	301+	39.8
272	269	North Carolina State University	US	L	CO	VH	24	301+	43	239=	29	301+	86	49	12	301+	26	301+	39.5
273	281=	Université Grenoble, Joseph Fourier	FR	L	FO	VH	38	275	31	301+	41	292=	43	231=	18	301+	48	228=	39.2
274	244=	Curtin University of Technology	AU	L	CO	VH	37	281=	63	137	26	301+	11	301+	100	9	100	9	39.2
275=	288=	University of Cincinnati	US	L	FC	VH	22	301+	33	301+	54	205=	69	100	11	301+	24	301+	39.1
275=	330	Iowa State University	US	L	CO	VH	30	301+	22	301+	25	301+	69	103	61	158=	47	231	39.1
277	273=	University of Hawaii at Mānoa	US	L	FC	VH	29	301+	-	301+	61	158=	56	151=	23	301+	42	256=	39.1
278	361=	Universität Innsbruck	AT	L	FC	MD	45	226=	19	301+	9	301+	35	272=	87	72	98	21	39.0
279	271	École des Ponts, ParisTech	FR	S	FO	VH	20	301+	64	130	100	13	6	301+	26	292=	25	301+	38.8
280	234=	Brandeis University	US	M	CO	VH	28	301+	26	301+	34	301+	70	95	11	301+	61	169=	38.8
281	295=	University of South Australia	AU	L	CO	VH	37	285	66	124	28	301+	9	301+	100	10	82	91=	38.8
282	334	Université Paris 7, Diderot	FR	L	FC	HI	47	213	12	301+	46	257=	25	301+	38	228=	31	301+	38.5
283	281=	National Cheng Kung University	TW	L	FC	VH	37	281=	42	244	54	199=	30	301+	10	301+	23	301+	38.5
284	252=	University of California, Santa Cruz	US	L	CO	VH	39	272	-	301+	13	301+	96	28=	7	301+	5	301+	38.5
285	285	University of California, Riverside	US	L	FC	HI	33	301+	19	301+	15	301+	92	39	10	301+	16	301+	38.4
286=	177=	University of Athens	GR	XL	FC	VH	47	215	35	301+	21	301+	43	231=	-	301+	46	236=	38.3
286=	241=	La Trobe University	AU	L	CO	VH	41	250	47	221	21	301+	18	301+	91	60	85	81=	38.3
288	288=	Université Montpellier 2, Sciences et Techniques	FR	M	FO	VH	24	301+	23	301+	66	137=	45	220	13	301+	55	195=	38.2
289	244=	Queensland University of Technology	AU	L	CO	VH	47	214	70	104	21	301+	18	301+	12	301+	63	160=	38.1
290	306	National Yang Ming University	TW	S	FC	VH	12	301+	24	301+	98	34	46	218	13	301+	13	301+	38.0
291	316	Royal Holloway University of London	GB	M	CO	VH	32	301+	21	301+	41	292=	22	301+	94	48	98	26=	38.0
292	295=	Universidade Estadual de Campinas	BR	L	FC	VH	46	220=	25	301+	40	301+	34	280	26	294=	7	301+	37.9
293	302=	University of Tromsø	NO	S	FC	VH	16	301+	28	301+	100	11	23	301+	39	219=	25	301+	37.8
294	328=	Universität Leipzig	DE	L	FC	VH	39	265	20	301+	19	301+	66	114	15	301+	31	301+	37.8
295	286	Politecnico di Milano	IT	L	SP	VH	47	218	83	55=	19	301+	20	301+	11	301+	35	298	37.7
296	287	Aston University	GB	M	CO	VH	28	301+	74	86	20	301+	27	301+	88	69=	93	51	37.7
297	318=	Umeå University	SE	L	FC	HI	29	301+	17	301+	40	300=	48	202	90	62	25	301+	37.5
298	300	University of Southern Denmark	DE	M	FO	VH	24	301+	20	301+	66	137=	32	293	49	186=	63	158=	37.4
299	302=	University of East Anglia (UEA)	GB	L	FC	HI	27	301+	25	301+	40	301+	40	245	76	114=	71	126=	37.3
300=	322	Università di Pisa	IT	XL	FC	VH	56	161	22	301+	10	301+	47	209=	1	301+	9	301+	37.2

2010 rank	2009 rank	Institution	Country/ Territory	Classification			Academic Reputation		Employer Reputation		Faculty Student		Citations per Faculty		International Faculty		International Students		Overall
				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
300=	-	Tokyo Medical and Dental University	JP	S	FO	VH	7	301+	-	301+	100	2	61	132	4	301+	22	301+	37.2
302	299	Massey University	NZ	L	CO	VH	38	274	39	263=	32	301+	19	301+	95	41	45	241=	37.0
303	401-450	University of Jyväskylä	FI	M	CO	VH	31	301+	28	301+	84	81	13	301+	23	301+	14	301+	37.0
304	302=	Jagiellonian University	PL	XL	CO	VH	48	209	31	301+	55	195=	10	301+	5	301+	11	301+	36.9
305	273=	University of Essex	GB	M	CO	VH	37	287	23	301+	28	301+	19	301+	95	42	96	37	36.7
306	259=	University of Utah	US	L	FC	VH	16	301+	26	301+	51	221=	70	99	30	270	21	301+	36.5
307	234=	Ateneo de Manila University	PH	M	FC	LO	53	180	60	149	35	301+	1	301+	12	301+	12	301+	36.4
308	328=	University of Eastern Finland	FI	M	CO	VH	11	301+	23	301+	87	71=	49	200	23	301+	13	301+	36.3
309	314=	Universiti Sains Malaysia (USM)	MY	L	FC	HI	48	211	41	254	40	300=	6	301+	27	288=	33	301+	36.2
310	346=	Ruhr-Universität Bochum	DE	XL	FC	HI	36	291	26	301+	36	301+	34	279	38	226=	50	218=	36.1
311	335	Indian Institute of Technology Kharagpur (IITKGP)	IN	M	FO	VH	30	301+	52	191	42	286=	48	201	-	301+	-	301+	36.1
312	346=	Universität Konstanz	DE	S	CO	VH	40	259	13	301+	42	286=	30	301+	58	169=	22	301+	36.1
313	331=	University of Oulu	FI	M	FC	VH	22	301+	13	301+	86	74=	31	301+	23	301+	9	301+	35.9
314	262=	University of the Philippines	PH	XL	FC	LO	57	160	63	139	29	301+	2	301+	3	301+	1	301+	35.9
315	357=	Universität des Saarlandes	DE	L	FC	HI	23	301+	-	301+	26	301+	72	87	67	144=	59	178=	35.8
316=	342	Universität Bielefeld	DE	L	CO	VH	42	241	12	301+	11	301+	58	144	32	257=	31	301+	35.7
316=	314=	University of Waikato	NZ	M	CO	VH	35	299	36	293=	28	301+	13	301+	94	47	91	56=	35.7
318	307=	Chiba University	JP	L	FC	VH	22	301+	33	301+	89	61=	18	301+	5	301+	20	301+	35.6
319	345	Universiti Putra Malaysia (UPM)	MY	L	FC	HI	39	269	40	255=	61	158=	3	301+	9	301+	42	256=	35.5
320	326=	University of Tasmania	AU	L	CO	VH	30	301+	34	301+	34	301+	25	301+	68	135=	90	60	35.5
321	250	Universitas Gadjah Mada	ID	XL	FC	LO	54	167=	55	175	29	301+	1	301+	22	301+	5	301+	35.3
322	281=	Technische Universität Dresden	DE	XL	FC	HI	39	266	35	301+	37	301+	24	301+	29	273=	38	284=	35.2
323	291=	Griffith University	AU	L	FC	HI	33	301+	52	189	16	301+	18	301+	92	58	92	55	35.0
324	324=	Universität Düsseldorf	DE	L	FC	VH	14	301+	16	301+	43	278=	74	84	10	301+	66	151	35.0
325	401-450	Westfälische Wilhelms-Universität Münster	DE	L	FC	VH	31	301+	17	301+	61	158=	26	301+	29	275=	27	301+	34.9
326	298	Universidad de Buenos Aires	AR	XL	FC	HI	49	202	69	111	24	301+	3	301+	14	301+	26	301+	34.7
327	389=	National Chiao Tung University	TW	M	CO	VH	21	301+	36	291	50	232=	45	223	38	228=	20	301+	34.5
328	377=	Università degli Studi di Firenze (UNIFI)	IT	XL	FC	VH	53	181	13	301+	12	301+	39	251	8	301+	17	301+	34.5
329	364=	Université Paris 5, Descartes	FR	L	FC	VH	29	301+	17	301+	28	301+	51	190	19	301+	82	94=	34.4
330	279=	Dublin City University	IE	M	FO	VH	25	301+	59	154	37	301+	15	301+	86	74	65	152	34.4
331	277=	Pontificia Universidad Católica de Chile	CL	L	FC	HI	39	271	61	145	31	301+	19	301+	19	301+	25	301+	34.2
332	360	Bilkent University	TR	M	CO	VH	41	253=	9	301+	57	183=	7	301+	68	142	4	301+	34.2
333	273=	York University	CA	XL	CO	VH	48	212	56	171	16	301+	13	301+	45	199	18	301+	34.2
334	363	Colorado State University	US	L	CO	VH	26	301+	26	301+	14	301+	82	58	12	301+	9	301+	34.1
335	309=	Arizona State University	US	XL	CO	VH	44	235	33	301+	16	301+	38	256	13	301+	20	301+	34.0
336	324=	Universitat Pompeu Fabra	ES	M	FO	VH	38	276=	8	301+	39	301+	28	301+	55	180	24	301+	34.0
337	323	Ben Gurion University of The Negev	IL	L	FC	VH	41	252	16	301+	33	301+	40	250	12	301+	5	301+	33.9
338	339=	University of Connecticut	US	L	FC	VH	21	301+	17	301+	38	301+	66	117	24	301+	21	301+	33.9
339	399=	Universität Bremen	DE	L	CO	VH	34	301+	28	301+	30	301+	31	301+	34	244=	54	200=	33.8
340	311	Virginia Polytechnic Institute (virginia Tech)	US	XL	FC	VH	32	301+	45	233	31	301+	33	288=	32	259=	24	301+	33.6
341	351=	American University of Beirut (AUB)	LB	M	FC	HI	23	301+	29	301+	58	176=	15	301+	40	217	83	90	33.4
342	307=	Hong Kong Baptist University	HK	M	CO	VH	4	301+	66	121	64	145=	21	301+	94	46	58	185	33.4
343	357=	Sungkyunkwan University	KR	L	FC	VH	22	301+	22	301+	80	91=	16	301+	16	301+	35	292=	33.4
344	331=	Johannes Gutenberg Universität Mainz	DE	XL	FC	HI	26	301+	11	301+	11	301+	82	64	17	301+	40	266=	33.3
345	374=	Kyung Hee University	KR	L	FC	HI	24	301+	15	301+	82	85=	7	301+	19	301+	57	190=	33.1
346	333	Université Lille 1	FR	L	FO	VH	27	301+	25	301+	51	225=	16	301+	28	279=	87	70=	33.1
347	368=	University of Georgia	US	XL	FC	VH	32	301+	33	301+	28	301+	51	186=	2	301+	13	301+	33.1
348	397=	Ewha Womans University	KR	L	FC	MD	33	301+	23	301+	56	191=	12	301+	15	301+	43	251=	32.8
349	336	Karl-franzens-universitaet Graz	AT	L	FO	VH	38	279	26	301+	10	301+	45	222	38	226=	33	301+	32.7
350	401-450	University of Kentucky	US	L	FC	VH	11	301+	24	301+	45	263=	75	79	11	301+	17	301+	32.7
351=	337=	University of Alabama	US	L	CO	VH	25	301+	22	301+	19	301+	67	112	46	195=	12	301+	32.6
351=	366=	Washington State University	US	L	FC	HI	29	301+	27	301+	37	301+	30	301+	70	131	20	301+	32.6
353	381=	Universidad de Navarra	ES	M	FC	VH	20	301+	38	276=	58	176=	22	301+	20	301+	59	182=	32.4
354=	339=	Hanyang University	KR	L	FC	VH	28	301+	24	301+	66	137=	13	301+	18	301+	26	301+	32.3
354=	355=	James Cook University	AU	M	FC	VH	14	301+	30	301+	27	301+	49	198=	92	52=	63	158=	32.3
356	374=	Heriot-watt University	GB	M	CO	VH	17	301+	49	210	29	301+	26	301+	82	92	98	23	32.1
357	389=	University of Manitoba	CA	L	FC	VH	28	301+	22	301+	38	301+	44	227=			33	301+	32.1
358	305	Universidad Austral	AR	S	FO	VH	19	301+	56	169	82	85=	3	301+	7	301+	25	301+	32.1
359	343=	Boston College	US	L	CO	VH	29	301+	28	301+	32	301+	23	301+	97	36	27	301+	31.9
360	321	University of The Witwatersrand	ZA	L	FC	HI	33	301+	40	260	13	301+	32	297=	68	135=	31	301+	31.9

2010 rank	2009 rank	Institution	Country/ Territory	Classification			Academic Reputation		Employer Reputation		Faculty Student		Citations per Faculty		International Faculty		International Students		Overall
				Size	Focus	Res.	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
361	318=	Brunel University	GB	L	CO	VH	20	301+	55	174	23	301+	22	301+	90	64=	86	76=	31.9
362	355=	Deakin University	AU	L	FC	MD	36	292	48	214	19	301+	14	301+	25	296	86	75	31.9
363	401-450	Università degli Studi di Pavia (UNIPV)	IT	L	FC	HI	34	301+	17	301+	16	301+	60	136	6	301+	15	301+	31.8
364	349	Warsaw University	PL	XL	CO	VH	45	226=	48	211=	29	301+	9	301+	6	301+	6	301+	31.6
365	320	Universiti Teknologi Malaysia (UTM)	MY	L	CO	HI	32	301+	49	207	43	274=	2	301+	22	301+	59	178=	31.6
366	350	National University of Sci. and Tech. (NUST) Islamabad	PK	M	FC	LO	29	301+	31	301+	77	100	1	301+	6	301+	6	301+	31.6
367	343=	Universidad de Chile	CL	XL	FC	HI	42	245	44	237	23	301+	21	301+	11	301+	9	301+	31.5
368	394=	Bangor University	GB	M	FC	HI	22	301+	21	301+	41	292=	29	301+	66	146	57	190=	31.5
369	401-450	University of Tampere	FI	M	FO	VH	33	301+	23	301+	43	274=	25	301+	24	301+	12	301+	31.5
370	351=	National Taiwan University of Science and Technology	TW	M	FO	VH	33	301+	35	301+	52	217=	12	301+	10	301+	16	301+	31.5
371	291=	University of Delhi	IN	XL	FC	MD	54	166	68	113=	2	301+	7	301+	3	301+	3	301+	31.2
372	374=	United Arab Emirates University	AE	L	FC	MD	22	301+	24	301+	43	278=	9	301+	100	1	84	83=	31.2
373	386=	Universität Bayreuth	DE	M	CO	VH	23	301+	-	301+	63	152=	27	301+	43	205	25	301+	31.1
374	392=	Illinois Institute of Technology	US	M	CO	VH	17	301+	14	301+	51	225=	24	301+	48	190	100	3	31.1
375	312=	Novosibirsk State University	RU	M	FC	MD	26	301+	24	301+	82	85=	3	301+	3	301+	10	301+	30.9
376	357=	Swansea University	GB	M	FC	HI	19	301+	38	275	40	300=	20	301+	69	132	62	162=	30.7
377	401-450	University of Kansas	US	L	FC	VH	24	301+	22	301+	40	300=	38	259	23	301+	30	301+	30.7
378	354	Philipps-Universität Marburg	DE	L	FC	HI	18	301+	9	301+	54	205=	38	260	34	249=	41	260=	30.7
379	401-450	Universität Regensburg	DE	L	FO	VH	17	301+	-	301+	51	225=	51	183	36	235=	20	301+	30.6
380	386=	Aberystwyth University	GB	M	CO	VH	23	301+	23	301+	50	232=	13	301+	56	178	61	168	30.6
381	383=	Universidade Federal do Rio de Janeiro	BR	XL	FC	VH	40	256	25	301+	34	301+	18	301+	13	301+	3	301+	30.5
382	371=	Université Toulouse III, Paul Sabatier	FR	L	FO	VH	36	295	-	301+	44	268=	17	301+	27	288=	37	287=	30.3
383	337=	University of St Gallen (hsg)	CH	M	SP	VH	17	301+	71	102	24	301+	7	301+	97	35	98	25	30.3
384	401-450	Universidade Nova de Lisboa	PT	L	FC	MD	32	301+	29	301+	43	278=	14	301+	20	301+	32	301+	30.2
385	380	University of Tennessee	US	XL	FC	VH	16	301+	33	301+	37	301+	56	155	14	301+	14	301+	30.0
386	361=	Goldsmiths, University of London	GB	M	FO	VH	32	301+	23	301+	26	301+	7	301+	79	105=	78	105=	29.9
387	339=	Tecnológico de Monterrey (ITESM)	MX	L	FC	LO	24	301+	80	65	45	263=	2	301+	28	281=	16	301+	29.7
388	401-450	Tongji University	CN	XL	FC	VH	35	300	17	301+	60	167=	4	301+	2	301+	12	301+	29.7
389	401-450	Linköping University	SE	L	CO	VH	34	301+	20	301+	32	301+	32	301+	-	301+	17	301+	29.6
390	401-450	Université Lyon 1, Claude Bernard	FR	L	FC	VH	29	301+	3	301+	34	301+	37	263=	11	301+	47	232=	29.5
391	346=	Howard University	US	M	FC	HI	17	301+	43	242	74	108=	10	301+	-	301+	22	301+	29.5
392	371=	Pusan National University	KR	L	FC	HI	39	262=	12	301+	41	292=	14	301+	9	301+	12	301+	29.4
393	401-450	University at Buffalo SUNY	US	L	FC	VH	17	301+	-	301+	21	301+	70	98	14	301+	67	142=	29.3
394	383=	University of Bradford	GB	M	CO	VH	23	301+	29	301+	22	301+	22	301+	64	150	94	49	29.1
395	326=	Dublin Institute of Technology	IE	M	CO	HI	20	301+	46	222	63	152=	2	301+	17	301+	40	266=	29.0
396	366=	University of Coimbra	PT	L	FC	HI	41	255	12	301+	29	301+	15	301+	9	301+	33	301+	29.0
397	379	Sogang University	KR	M	CO	VH	27	301+	41	250	47	243=	7	301+	17	301+	31	301+	29.0
398	451-500	National Central University	TW	M	CO	VH	32	301+	15	301+	40	300=	25	301+	12	301+	5	301+	29.0
399	401-450	Universität Jena	DE	L	FC	VH	25	301+	-	301+	30	301+	50	191	27	288=	19	301+	28.9
400	401-450	Christian-Albrechts-Universität zu Kiel	DE	L	FC	VH	18	301+	-	301+	36	301+	54	168	33	253=	29	301+	28.8

Legend		
SIZE	FOCUS	RESEARCH INTENSITY
XL – Very Large	FC – Fully Comprehensive	VH – Very High
L – Large	CO – Comprehensive	HI – High
M – Medium	FO – Focused	MD – Moderate
S – Small	SP – Specialist	LO – Limited or None

QS TOP 500 UNIVERSITIES

2010 rank	2009 rank	Institution	Country/ Territory	Classification	Classification		
					Size	Focus	Res.
401-450	351=	Bandung Institute of Technology (ITB)	ID	L	CO	LO	
401-450	401-450	Technische Universität Braunschweig	DE	L	CO	VH	
401-450	386=	Carleton University	CA	L	CO	VH	
401-450	451-500	Chiang Mai University	TH	XL	FC	MD	
401-450	401-450	Concordia University	CA	L	CO	VH	
401-450	401-450	University of Crete	GR	L	FC	MD	
401-450	394=	Czech Technical University In Prague	CZ	L	SP	VH	
401-450	401-450	University of Delaware	US	L	CO	VH	
401-450	451-500	Universität Dortmund	DE	L	CO	VH	
401-450	397=	Drexel University	US	L	FC	HI	
401-450	401-450	Eötvös Loránd University	HU	L	CO	VH	
401-450	371=	Florida State University	US	L	FC	HI	
401-450	451-500	University of Houston	US	L	CO	VH	
401-450	451-500	Indian Institute of Technology Roorkee (IITR)	IN	S	FO	VH	
401-450	451-500	Inha University	KR	L	FC	HI	
401-450	451-500	Istanbul University	TR	XL	FC	MD	
401-450	401-450	University of Kent	GB	L	CO	VH	
401-450	501-550	King Abdul Aziz University (KAU)	SA	XL	FC	LO	
401-450	451-500	Koç University	TR	S	FC	MD	
401-450	401-450	Kumamoto University	JP	M	FC	VH	
401-450	401-450	Lehigh University	US	M	CO	VH	
401-450	401-450	National University of Ireland Maynooth	IE	M	FO	VH	
401-450	401-450	University of Missouri, Columbia	US	L	FC	VH	
401-450	392=	Nagasaki University	JP	M	FO	VH	
401-450	451-500	Université Nancy 1, Henri Poincaré	FR	L	FO	VH	
401-450	451-500	Università degli Studi di Napoli - Federico II	IT	XL	FC	VH	
401-450	383=	University of New Mexico	US	L	FC	VH	
401-450	381=	City University of New York	US	XL	CO	VH	
401-450	451-500	Northeastern University	US	L	CO	VH	
401-450	401-450	Okayama University	JP	L	FC	VH	
401-450	401-450	University of Oklahoma	US	L	FC	VH	
401-450	401-450	University of Oregon	US	L	CO	VH	
401-450	501-550	Oregon State University	US	L	CO	VH	
401-450	401-450	Université Paris Dauphine	FR	M	SP	VH	
401-450	451-500	Università degli Studi di Roma - Tor Vergata	IT	XL	CO	VH	
401-450	501-550	Sabancı University	TR	S	CO	VH	
401-450	401-450	University of South Carolina	US	L	FC	HI	
401-450	401-450	National Sun Yat-sen University	TW	M	CO	VH	
401-450	401-450	Swinburne University of Technology	AU	L	CO	HI	
401-450	368=	University of Tehran	IR	XL	CO	VH	
401-450	451-500	Aristotle University of Thessaloniki	GR	XL	FC	VH	
401-450	401-450	Tianjin University	CN	L	CO	VH	
401-450	401-450	Tokyo Metropolitan University	JP	M	CO	VH	
401-450	401-450	Tomsk State University	RU	M	CO	HI	
401-450	451-500	Università degli Studi di Trento (UNITN)	IT	L	CO	VH	
401-450	401-450	Università degli Studi di Trieste (UNITS)	IT	L	FC	HI	
401-450	401-450	Universitat de Valencia	ES	XL	FC	HI	
401-450	451-500	University of Vermont	US	M	FC	VH	
401-450	401-450	College of William & Mary	US	M	CO	VH	
401-450	451-500	Xi'an Jiaotong University	CN	L	FC	VH	

QS TOP 500 UNIVERSITIES

2010 rank	2009 rank	Institution	Country/ Territory	Classification	Classification		
					Size	Focus	Res.
401-450	389=	Yeshiva University	US	S	FC	MD	
401-450	401-450	Yokohama City University	JP	S	FO	VH	
451-500	501-550	Aalborg University	DE	M	FC	HI	
451-500	451-500	Airlangga University	ID	L	FC	LO	
451-500	501-550	American University	US	M	CO	VH	
451-500	401-450	National Technical University of Athens	GR	L	FO	VH	
451-500	451-500	Cairo University	EG	XL	CO	VH	
451-500	451-500	City University London	GB	L	CO	HI	
451-500	401-450	De La Salle University	PH	M	CO	LO	
451-500	451-500	Universität Duisburg-Essen	DE	XL	FC	HI	
451-500	501-550	Justus-Liebig-Universität Gießen	DE	L	FC	HI	
451-500	401-450	Gifu University	JP	M	FC	VH	
451-500	451-500	Universidad de Granada	ES	XL	FC	HI	
451-500	501-550	L.N. Gumilyov Eurasian National University	KZ	M	CO	LO	
451-500	451-500	Martin-Luther-Universität Halle-Wittenberg	DE	L	FC	HI	
451-500	451-500	Leibniz Universität Hannover	DE	L	CO	VH	
451-500	551-600	State University Higher School of Economics (HSE)	RU	L	FO	LO	
451-500	451-500	University of Hull	GB	L	FC	MD	
451-500	401-450	Istanbul Technical University	TR	L	CO	VH	
451-500	401-450	Kanazawa University	JP	M	FC	VH	
451-500	501-550	Kyungpook National University	KR	L	FC	HI	
451-500	451-500	University of Limerick	IE	M	FC	HI	
451-500	451-500	Johannes Kepler University Linz	AT	M	CO	VH	
451-500	501-550	Università degli Studi di Milano (UNIMI)	IT	XL	FC	LO	
451-500	451-500	University of Mumbai	IN	XL	FC	LO	
451-500	451-500	Murdoch University	AU	M	CO	VH	
451-500	501-550	National Taiwan Normal University	TW	L	CO	HI	
451-500	451-500	University of Nebraska	US	L	CO	VH	
451-500	451-500	Open University	GB	XL	CO	VH	
451-500	401-450	Universidad ORT Uruguay	UY	S	FO	HI	
451-500	399=	Osaka City University	JP	M	FC	VH	
451-500	601+	Université Paris 2, Panthéon-Assas	FR	L	SP	VH	
451-500	501-550	University of Patras	GR	L	FC	HI	
451-500	501-550	University of Porto	PT	XL	FC	HI	
451-500	451-500	University of Pretoria	ZA	XL	FC	MD	
451-500	394=	Université du Québec	CA	XL	FC	HI	
451-500	451-500	Université de Rennes 1	FR	L	FO	VH	
451-500	501-550	Universidad de Salamanca	ES	XL	FC	MD	
451-500	501-550	Universidade de Santiago de Compostela	ES	L	CO	VH	
451-500	451-500	Università degli Studi di Siena (UNISI)	IT	L	FC	HI	
451-500	551-600	Syracuse University	US	L	CO	VH	
451-500	501-550	University of Szeged	HU	L	FC	HI	
451-500	501-550	Temple University	US	XL	FC	HI	
451-500	401-450	Thammasat University	TH	XL	FC	LO	
451-500	401-450	Tokyo University of Science (TUS)	JP	L	CO	VH	
451-500	451-500	Politecnico di Torino	IT	L	FO	VH	
451-500	501-550	Università degli Studi di Torino (UNITO)	IT	XL	FC	VH	
451-500	451-500	Virginia Commonwealth University	US	L	FC	HI	
451-500	501-550	Worcester Polytechnic Institute	US	S	CO	VH	
451-500	377=	Yokohama National University	JP	M	FO	VH	

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Behind the scenes

Martin Ince looks at the methodology behind ranking the world's universities

How can we rank the world's universities? The sheer number of them, their diversity, and the vast range of nations and cultures of which they form a part, all point to the difficulty of this task.

But we also know that universities are the original global industry. They have been exchanging scholars, students and ideas for centuries. Now this activity has grown into a major world industry. This means that global universities have some features in common, and these provide the starting point for the QS World University Rankings®.

Our most important insight is that academics know where the best academic work is being carried out. So we ask them, by means of a carefully-designed survey in which named and approved individuals within universities are asked to name up to 30 top universities in the subject they know about. Nobody can vote for their own institution.

Academic Respondents by Job Classification		
Job Classification	Count	% Respondents
President / Vice-Chancellor	306	2.0%
Vice-President / Deputy Vice-Chancellor	399	2.6%
Senior Administrator	556	3.7%
Head of Department	1,467	9.7%
Professor / Associate Professor	7,252	48.0%
Assistant Professor	767	5.1%
Senior Lecturer	972	6.4%
Lecturer	1,102	7.3%
Research Specialist	617	4.1%
Admissions Officer	50	0.3%
Administrator / Functional Manager	386	2.6%
Research Assistant	324	2.1%
Other	852	5.6%

This year 15,050 people took part, including some from 2009 and 2008 who had not voted in a previous year. They cast 170,582 valid votes. This is, by far, the biggest world survey of academic opinion in history.

We also know that people who employ graduates are astute observers of universities so we survey them to ask where they like to recruit. This year (again counting unique results from 2008 and 2009), 5,007 people took part in our employer review. They cast 15,087 valid votes.

Employer Respondents by Sector		
Job Classification	Count	% Respondents
Aerospace / Defence	50	1.0%
Construction / Property	182	3.6%
Consulting / Professional Services	550	11.0%
Electronics / High Technology	131	2.6%
Energy	144	2.9%
Financial Services / Banking	513	10.2%
FMCG	220	4.4%
IT / Computer Services	393	7.8%
Law	64	1.3%
Manufacturing / Engineering	517	10.3%
Media / Entertainment & Arts	104	2.1%
Metals / Mining	64	1.3%
Pharmaceuticals / Biotech & Healthcare	224	4.5%
Public Sector / Govt. / Non-profit	313	6.3%
Recruitment / HR services	348	7.0%
Retail	131	2.6%
Telecoms	131	2.6%
Transportation / Distribution	95	1.9%
Travel / Leisure / Hospitality	75	1.5%
Utilities	58	1.2%
Other	564	11.3%

A look at the nations represented in our employer and academic surveys shows the US is the biggest contributor to our academic survey, and India to our employer survey. Mainland China contributes 1.8% of our academic respondents and 1% of the employers. There are more significant contributions from Hong Kong, a Special Administrative Region of China.

These two elements make up half of a university's possible score in the QS World University Rankings®: 40% for the academic review and 10% for the employer review.

The next 20% is derived from academic journal citations, the classic measure of research impact. We use data from Scopus, part of the Elsevier publishing group, running back five years and covering over 18,000 journals, alongside data on the number of academic staff at each university, to produce the number of citations per person. This reduces bias in favour of high-citation subjects such as medicine, instead measuring the concentration of high-quality research at each institution.

A further 20% of a university's possible score comes from its faculty/student ratio, in an attempt to capture its commitment to teaching. This is an indirect measure whose imperfections we acknowledge. One advantage of using it is that a university which reported a dubiously low number of staff to enhance its citations per person count would suffer on this measure, and vice versa.

Finally we allot 5% to each of two measures of globalization, the percentage of international staff and international students at each university. This tells us whether universities are serious about being global. More importantly, it tells us whether people want to cross borders to be there. We limit the size of these measures so that a poor university cannot achieve a high ranking by filling itself with indifferent foreign staff and students.

This process uses data on student and staff numbers, and on international staff and students, which is gathered from universities themselves and from national agencies using agreed definitions. It is also checked and verified by QS.

We create the rankings by generating the results for each criterion, weighting them according to their Z score, essentially a measure of their distance from the average score. This removes the severe effects of outliers. We display each column with the score for the top institution normalised to 100, and aggregate all six into the final column to yield the overall ranking.

Top university systems

By **Martin Ince**, convenor of the QS Academic Advisory Board

Higher education is a global industry. Every university wants more foreign students and over three million people are now studying outside their home country. The QS World University Rankings® are one way of looking at the world's universities; this makes them an essential part of the global higher education enterprise.

But what do these rankings, which gauge the performance of specific institutions, tell us about national university systems?

The world economic crisis has given this question extra importance. All university systems are dependent upon state spending, and there is about to be less of it. We know too that governments are very aware of national performance in world ranking systems. They may regard international success in their universities as a sign they are worth investing in – or as proof they have enough money already.

This year's QS World University Rankings® show a comparatively small number of countries gaining ground as world powers in higher education. France, Germany, Ireland, Italy, Korea, the Netherlands, Spain, Taiwan

and the UK are the only nations with more universities in the top 200 places in 2010 than in 2009. But even this is a message of stability rather than radical change. Only one of these countries, Germany, had two new institutions in the top 200. The rest had one new entrant each.

Germany's rise from 10 to 12 top-200 universities may reflect the success of the Excellence Initiative, which is funnelling several billion Euros of research cash into a select group of universities. The contrast is with Japan, down from 11 to 10 top-200 universities. These are nations of similar size and wealth. But Japan is subject to far worse policy paralysis, both regarding universities and concerning its future overall.

A more thorough look at national university capacity is provided by the table of University System Strength. This uses four equally-weighted measures to grasp the comparative power of different university systems, basing its findings on the top 500 universities in the QS World University Rankings®.

The first measure we show, System, is derived from the number of universities which a country has in the top 500 and their average position. The second, Access, looks at each nation's success at getting people into college. It is a measure of the size of its university population divided by the square root of its population. We use the square root rather than the absolute figure to avoid a few tiny outliers, such as Hong Kong, dominating the results.

Our third measure, Flagship, uses the position of each nation's top university in the rankings. This is important because many nations (Taiwan is an example) regard it as vital to have at least one university which is highly-placed on the world stage.

The final criterion, Economic, acknowledges countries that have created a viable university system in difficult economic circumstances. It awards five points for any university in the top 100, four for one between 101 and 200, and three, two or one respectively for each university between 201 and 300, 301 and 400, and 401 and 500. This score is divided by the country's gross domestic product per capita.

In previous years, the US has won all four categories and come top overall. But in 2010, Cambridge University's top position in the QS World University Rankings® means the UK won the Flagship group. Despite this, the US was top on the other three measures and overall, with the UK in second place despite being fifth in terms of Access. This ranking shows the university systems of continental Europe in a positive light, with eight of the top 20 places.

There are inevitably imperfections in this analysis. Italy appears in fourth spot for Access, but observers of its university system claim it is a bloated mess with too many students. Getting rid of some would lower its position here.

It is also notable that China and India come in 42nd and 44th position respectively in terms of Access, so their university systems have a long way to go before they gain the scale that these massive nations deserve. But they are also fourth and second respectively on our Economic measure. This shows that their comparative lack of resources is not stopping them from building viable university systems. China is 13th in the world overall, an outlier in a parade of generally affluent nations.

University System Strength

Country	System		Access		Flagship		Economic		Overall		±
	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	
United States	100	1	100	1	100	2	100	1	100	1	0
United Kingdom	98	2	96	5	100	1	98	3	98	2	0
Germany	94	3	96	6	95	13	95	5	95	3	0
Australia	90	6	98	2	98	5	86	7	93	4	0
Canada	86	8	96	3	98	4	83	10	91	5	0
France	93	4	78	12	97	9	83	8	88	6	1
Japan	93	5	70	19	98	7	87	6	87	7	1
Netherlands	89	7	83	9	94	15	76	12	85	8	0
Korea, South	77	9	73	16	95	12	75	13	80	9	0
Italy	75	12	96	4	74	27	66	15	78	10	4
Switzerland	76	11	71	18	98	3	60	19	76	11	1
Sweden	72	13	79	11	93	16	60	16	76	12	1
China	77	10	18	42	95	11	98	4	72	13	2
Belgium	62	17	76	15	90	19	55	24	71	14	2
New Zealand	53	20	82	10	92	17	56	22	71	15	2
Spain	67	15	83	8	79	25	53	26	71	16	3
Hong Kong	70	14	61	22	98	6	49	27	69	17	1
Ireland	52	21	77	14	94	14	46	29	67	18	1
Taiwan	64	16	58	24	89	21	56	23	67	19	3
Finland	50	23	72	17	91	18	47	28	65	20	0
Denmark	46	26	65	21	95	10	43	31	62	21	0
India	62	18	15	44	71	29	99	2	62	22	4
Austria	46	27	78	13	80	24	30	35	58	23	4
Singapore	62	19	59	23	97	8	16	42	58	24	1
Israel	42	30	56	25	86	23	43	32	57	25	1



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QS Classifications

By **John O’Leary**, executive member of the QS Academic Advisory Board

One of the main criticisms of global university rankings has been that they compare universities of such varying sizes and types. Small, specialist institutions, however eminent, will struggle to achieve the reputation enjoyed by the best of the big generalist universities, while those whose focus is on the arts or social sciences cannot hope to match the citations generated in science and medicine.

The classifications that appear in the QS World University Rankings® allow readers to take such differences into account without departing from the principle of a single set of comparisons.

The system is based loosely on the Carnegie classifications that divide US universities into different categories. But, since Carnegie uses no fewer than 33 different types of institution, the QS system has been devised to be more accessible to the general reader. Universities are divided by size, subject focus and research intensity, with no more than four categories for each.

Prospective students or research partners are thus able to see at a glance which universities have broadly similar characteristics. As might be expected, all the universities in this year’s top 50 are categorized at the top level of research activity, but even at the top of the ranking, there are differences both in size and the spread of subjects.

The École Normale Supérieure, in Paris, 33rd in the overall ranking, emerges as the top small, specialist institution in the world, for example. With fewer than 1,000 highly-selected students, ENS is a very different type of university to the National University of Singapore, two places above it, which has 30,000 students but a similar level of research intensity.

The London School of Economics and Political Science (LSE), although only 80th in the overall ranking, is the next highest among the specialist universities. Technological universities, such as ETH Zurich, have a somewhat wider spread of faculties and are classified as ‘focused’ (abbreviated as FO in the table), while science-based institutions such as Imperial College London often have a medical school that broadens their offering.

However, it does not follow that size is always an advantage in the rankings. The highest-

placed of the new ‘extra large’ universities is Michigan, in 15th position, while the largest of all – UNAM, in Mexico, with more than 150,000 students – has dropped out of the top 200 this year. Both third-placed Yale and the Massachusetts Institute of Technology (MIT), in fifth place, are classified as ‘medium’, having fewer than 12,000 students.

The classifications, which were introduced in 2009, have been improved for the latest rankings. The new ‘extra large’ (XL) category has been introduced to identify universities that have more than 30,000 students, while more intuitive abbreviations have replaced the previous numerical classifications for easier use.

The new categories are as follows:

- **Size** – based on the (full time equivalent) size of the degree-seeking student body, covering both undergraduates and postgraduates. Where an FTE number is not available, one has been estimated based on common characteristics of other institutions in the country or region in question.
- **Focus** – four categories based on the range of subjects available in each institution, defined by the five broad faculty areas used in the QS rankings. To reflect the different publication patterns in medicine, a distinction is made between broad-based universities with a medical school (fully comprehensive, or FC) and those operating in all

five faculty areas without a medical school (comprehensive, or CO).

Those operating in three or four faculty areas are categorized as focused (abbreviated as FO) while those operating in only one or two areas are considered specialist (or SP).

- **Research Activity** – four levels of research activity are evaluated based on the number of academic papers recorded in the Scopus database over a five-year period. Specialist institutions are assessed on the mean levels of publication for the disciplines in which they are active.

The ability to distinguish between different types of universities is one of the Berlin Principles drawn up by academics and ranking organizations to guide the compilation of international league tables. The QS World University Rankings® continue to provide the single point of comparison that many readers demand, but the classifications offer an easy way to place the results in context.





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The specialists up close

Martin Ince reveals who the specialists are at faculty level

Our analysis of university performance in the five main areas of academic life – the natural sciences, engineering and technology, life sciences and medicine, the social sciences, and the arts and humanities – is one of the most eagerly awaited parts of the QS World University Rankings®.

These rankings are produced by taking the score from our academic reputation review for each of these faculty-level areas. There were 15,050 respondents to the academic review in 2010, including a small number of participants from previous years whose data was counted provided they had not voted since.

Subject specific

In this analysis we include specialist institutions (such as Rockefeller University, a prestigious medical school in New York) but not postgraduate-only, single-faculty colleges such as the London Business School.

Despite Harvard's fall from top spot in our overall rankings, it won our poll of academic opinion for biology and medical institutions comfortably. Its papers are the most-cited, apart from the much smaller biomedical outputs of MIT and Caltech. The US has seven of the top ten life sciences universities, with the UK and Japan taking the other three spots.

Our top ten in the natural sciences looks similar to the overall result for the QS World University Rankings®, with Harvard edged into an unfamiliar second spot by Cambridge, and only narrowly ahead of Oxford. The small but well-regarded output of Caltech makes it the top institution for citations. This table demonstrates the “big country effect” in action as

those from Japan or the UK. We may think research is truly global, but people are still more likely to cite people they know or who work at familiar institutions.

Probably no university is as envied around the world as the Massachusetts Institute of Technology (MIT). Institutions such as KAIST in Korea are deliberately modelled on it, and the European Commission has considered what it might take to create a European MIT.

Here MIT comfortably wins the poll for the world's top engineering and technology university, defeating both its big Californian rivals and UK competition from the University of Cambridge and Imperial College London.

The UK has prominence in our arts and humanities survey. The universities of Oxford and Cambridge are in the top slots, and the UK occupies ten of the top 50 positions. London's School of Oriental and African Studies appears at 50th position despite being 258th in the overall QS World University Rankings®. In future years it will be interesting to see whether Asia's growing economic power is reflected by increased prestige in the arts and humanities. Meanwhile, note the column of citations data. Most papers here are cited less than once, highlighting the very different publication style of the arts and humanities.

Harvard also wins the reputation battle in the social sciences. This table also shows the London School of Economics and Political Science (LSE), whose specialist nature puts it 80th in the world overall, in fourth place, just behind Oxford and Cambridge.

Arts & Humanities

2010 rank	2009 rank	Institution	Country/Territory	Score	Citations per paper
1	2	University of Oxford	GB	100.0	0.8
2	3	University of Cambridge	GB	97.9	1.0
3	1	Harvard University	US	97.4	0.6
4	4	University of California, Berkeley (UCB)	US	85.3	1.1
5	5	Yale University	US	80.2	0.4
6	6	Princeton University	US	74.8	0.7
7	9	University of California, Los Angeles (UCLA)	US	70.9	0.9
8	7	Stanford University	US	70.1	0.9
9	8	University of Chicago	US	66.4	0.8
10	10	Columbia University	US	65.9	0.5
11	11	University of Toronto	CA	58.9	0.4
12	25	UCL (University College London)	GB	58.2	0.6
13	21	Université Paris Sorbonne, Paris 4	FR	57.8	0.1
14	24	University of Edinburgh	GB	57.2	0.8
15	18	New York University (NYU)	US	55.6	0.7
16	14=	Cornell University	US	54.2	1.2
17	12	Australian National University (ANU)	AU	53.3	1.3
18	26	University of Michigan	US	52.1	0.5
19	19	University of Sydney	AU	51.6	0.4
20	13	University of Tokyo, The	JP	51.4	1.2
21	17	University of Melbourne	AU	50.8	0.7
22	39	Humboldt-Universität zu Berlin	DE	50.5	0.7
23	23	National University of Singapore (NUS)	SG	49.9	1.4
24	16	Peking University	CN	48.4	0.1
25	27=	Freie Universität Berlin	DE	47.6	0.3
26	40	King's College London (KCL)	GB	46.9	0.7
27	27=	Massachusetts Institute of Technology (MIT)	US	46.7	2.4
28	14=	McGill University	CA	45.9	0.8
29	31	University of Amsterdam	NL	45.8	0.9
30	35	University of Pennsylvania (UPenn)	US	45.3	0.8
31	22	University of British Columbia (UBC)	CA	44.2	0.8
32	68=	Université Paris 1, Panthéon-Sorbonne	FR	43.9	0.1
33	32	London School of Economics (LSE)	GB	43.3	0.7
34	48	Ludwig-Maximilians-Universität München	DE	42.7	0.5
35	34	University of Hong Kong (HKU)	HK	42.6	0.9
36	44	Ruprecht-Karls-Universität Heidelberg	DE	42.3	0.1
37	36	Brown University	US	42.2	0.7
38=	30	Duke University	US	41.9	0.6
38=	29	Leiden University	NL	41.9	0.6
40	20	Kyoto University	JP	41.8	1.1
41=	45	École Normale Supérieure de Paris	FR	41.1	0.5
41=	54=	University of Warwick	GB	41.1	0.4
43	37	Monash University	AU	40.5	0.8
44	46	University of Vienna	AT	39.2	0.6
45	58	University of Texas at Austin (UT Austin)	US	38.8	0.7
46	51	Università di Bologna	IT	38.6	0.1
47	73	Universität Freiburg	DE	38.0	0.5
48	54=	University of Manchester	GB	37.5	1.0
49	77	University of Leeds	GB	37.4	0.5
50	47	SOAS - School of Oriental and African Studies	GB	37.2	0.5

Engineering & Technology

2010 rank	2009 rank	Institution	Country/ Territory	Score	Citations per paper
1	1	Massachusetts Institute of Technology (MIT)	US	100.0	3.3
2	3	Stanford University	US	83.3	3.5
3	2	University of California, Berkeley (UCB)	US	82.7	4.1
4	4	University of Cambridge	GB	72.5	3.5
5	5	California Institute of Technology (Caltech)	US	68.3	3.7
6	6=	Imperial College London	GB	67.1	2.3
7	6=	University of Tokyo, The	JP	64.4	1.4
8	10	ETH Zurich	CH	61.8	2.6
9=	11	University of Oxford	GB	58.7	2.2
9=	14	National University of Singapore (NUS)	SG	58.7	2.3
11	13	Tsinghua University	CN	58.4	1.1
12	9	Carnegie Mellon University (CMU)	US	55.1	2.5
13	12	Georgia Institute of Technology	US	54.4	2.5
14	8	University of Toronto	CA	54.1	2.8
15	18	University of California, Los Angeles (UCLA)	US	53.4	3.4
16	25	University of Illinois at Urbana-Champaign	US	52.5	2.4
17	16	Kyoto University	JP	49.6	1.4
18	15	Delft University of Technology (TU Delft)	NL	49.1	1.6
19=	41	University of Michigan	US	46.3	3.0
19=	24	Cornell University	US	46.3	3.3
21	23	Princeton University	US	45.2	4.0
22	22	Harvard University	US	45.1	3.9
23	19	Tokyo Institute of Technology	JP	44.5	1.4
24	21	KAIST - Korea Advanced Inst. of Sci. & Tech.	KR	44.2	1.8
25	38=	University of Manchester	GB	43.5	2.7
26	26	Hong Kong University of Sci. and Tech.	HK	43.1	2.1
27	36	University of Texas at Austin (UT Austin)	US	42.9	2.4
28	37	Purdue University	US	42.8	1.5
29	20	McGill University	CA	42.5	2.0
30	17	University of British Columbia (UBC)	CA	42.4	2.0
31	44	Ecole Polytechnique Fédérale de Lausanne	CH	41.9	2.5
32	29	University of Melbourne	AU	41.6	2.5
33	31	Peking University	CN	41.0	1.0
34	43	University of California, San Diego (UCSD)	US	40.8	3.2
35	38=	École Polytechnique, ParisTech	FR	39.3	2.0
36=	45	Technische Universität München (TUM)	DE	39.2	1.5
36=	33=	Nanyang Technological University (NTU)	SG	39.2	2.1
38	27=	Seoul National University (SNU)	KR	38.4	2.0
39=	27=	University of Waterloo	CA	37.8	1.7
39=	57=	RWTH Aachen	DE	37.8	2.1
41	47=	National Taiwan University (NTU)	TW	37.6	2.2
42	33=	University of New South Wales (UNSW)	AU	37.5	1.7
43	53=	Shanghai Jiao Tong University (SJTU)	CN	37.3	1.0
44	40	University of Sydney	AU	37.2	2.1
45	42	Australian National University (ANU)	AU	35.6	1.8
46	52	University of Edinburgh	GB	35.5	1.9
47	30	Indian Institute of Technology Bombay (IITB)	IN	35.0	1.8
48	62	Technische Universität Berlin	DE	34.8	1.9
49	71=	Universität Karlsruhe	DE	34.3	1.9
50	49	Eindhoven University of Technology	NL	33.7	2.5

Life Sciences & Medicine

2010 rank	2009 rank	Institution	Country/ Territory	Score	Citations per paper
1	1	Harvard University	US	100.0	13.5
2	2	University of Cambridge	GB	92.4	11.4
3	3	University of Oxford	GB	82.2	11.9
4	4	Stanford University	US	75.3	12.0
5	5	University of California, Berkeley (UCB)	US	70.2	11.8
6	7	University of Tokyo, The	JP	65.8	7.5
7	6	Johns Hopkins University	US	65.7	11.4
8	8	Massachusetts Institute of Technology (MIT)	US	63.9	16.2
9	9	Yale University	US	63.3	11.2
10	18	University of California, Los Angeles (UCLA)	US	60.0	11.0
11	17	Imperial College London	GB	58.3	10.2
12	12	University of California, San Diego (UCSD)	US	56.7	13.2
13	20	National University of Singapore (NUS)	SG	53.6	6.2
14	13=	University of Melbourne	AU	52.9	7.9
15	22	UCL (University College London)	GB	52.7	8.7
16	11	University of Toronto	CA	51.7	8.8
17	34	University of Edinburgh	GB	50.0	9.9
18	13=	Kyoto University	JP	49.7	8.2
19	15	University of Sydney	AU	48.8	6.3
20	16	University of British Columbia (UBC)	CA	48.7	8.4
21	19	Peking University	CN	47.8	3.4
22	10	McGill University	CA	45.7	9.6
23	29=	Karolinska Institute	SE	45.6	8.7
24	29=	Columbia University	US	45.1	11.9
25	26	Cornell University	US	44.8	9.3
26		University of California, San Francisco	US	44.6	
27	31	Duke University	US	43.6	11.5
28	23	California Institute of Technology (Caltech)	US	43.4	15.3
29	44	University of Washington	US	43.1	12.0
30	37	King's College London (KCL)	GB	42.6	8.2
31	33	University of Chicago	US	42.4	11.2
32	49	ETH Zurich	CH	41.4	10.6
33=	39	University of Pennsylvania (UPenn)	US	40.6	10.5
33=	35	University of Michigan	US	40.6	10.6
35	27	Princeton University	US	40.4	11.5
36	21	Australian National University (ANU)	AU	40.3	7.4
37	32	University of Hong Kong (HKU)	HK	38.5	8.0
38	24	Seoul National University (SNU)	KR	38.1	5.0
39	54	University of Manchester	GB	36.7	8.4
40	28	University of Queensland (UQ)	AU	36.4	7.1
41	40	University of Auckland	NZ	36.2	6.8
42	45=	Washington University in St. Louis	US	35.8	11.4
43	45=	National Taiwan University (NTU)	TW	34.6	5.0
44	38	University of California, Davis (UCD)	US	34.5	7.7
45	42	Ruprecht-Karls-Universität Heidelberg	DE	34.1	8.4
46	43	University of New South Wales (UNSW)	AU	33.9	6.9
47=	50	University of Wisconsin-Madison	US	33.4	9.4
47=		Rockefeller University	US	33.4	
49	25	Monash University	AU	33.3	7.2
50=	56	University of Amsterdam	NL	32.2	8.6

The specialists up close

Natural Sciences

2010 rank	2009 rank	Institution	Country/ Territory	Score	Citations per paper
1	1	University of Cambridge	GB	100.0	9.7
2	4	Harvard University	US	91.8	13.7
3	5	University of Oxford	GB	91.1	9.8
4	2	Massachusetts Institute of Technology (MIT)	US	87.8	11.0
5	3	University of California, Berkeley (UCB)	US	87.7	12.9
6	9	Stanford University	US	76.4	10.8
7	6	Princeton University	US	73.7	12.4
8	7	California Institute of Technology (Caltech)	US	71.6	15.4
9	8	University of Tokyo, The	JP	69.4	6.8
10	12	ETH Zurich	CH	67.5	9.4
11	10=	Imperial College London	GB	66.4	8.8
12	13	École Normale Supérieure de Paris	FR	57.6	8.3
13	10=	Kyoto University	JP	57.4	6.3
14	14	University of Toronto	CA	57.2	9.7
15	16	University of California, Los Angeles (UCLA)	US	57.1	11.1
16	17	University of Chicago	US	54.5	13.6
17	18	Yale University	US	54.1	11.3
18	20	University of British Columbia (UBC)	CA	52.4	9.3
19	15	Cornell University	US	52.2	10.9
20	21	Australian National University (ANU)	AU	50.6	7.4
21	19	Peking University	CN	49.0	5.1
22	22	Université Pierre et Marie Curie (UPMC)	FR	48.2	7.5
23	24	Columbia University	US	47.0	11.6
24	37=	Ruprecht-Karls-Universität Heidelberg	DE	46.4	8.1
25=	27	National University of Singapore (NUS)	SG	45.7	5.7
25=	43	Ludwig-Maximilians-Universität München	DE	45.7	8.0
27	30=	Tsinghua University	CN	43.9	4.0
28	32	University of California, Santa Barbara	US	43.5	11.9
29	30=	Lomonosov Moscow State University	RU	43.4	2.5
30	25	Sapienza Università di Roma	IT	43.1	5.6
31	28=	École Polytechnique, ParisTech	FR	42.9	8.2
32=	23	University of Melbourne	AU	41.7	8.8
32=	41	Technische Universität München (TUM)	DE	41.7	7.1
34	37=	University of Illinois at Urbana-Champaign	US	41.0	10.6
35	26	McGill University	CA	40.5	7.9
36	34	University of Sydney	AU	39.4	7.5
37	40	University of California, San Diego (UCSD)	US	39.2	9.0
38=	47	University of Michigan	US	38.4	10.6
38=	28=	Seoul National University (SNU)	KR	38.4	6.1
40	94=	University of Bristol	GB	38.3	8.3
41=	61	University of Edinburgh	GB	38.1	10.9
41=	42	University of Texas at Austin (UT Austin)	US	38.1	10.3
43	44	Université Paris 11, Sud	FR	36.2	7.3
44=	98	Humboldt-Universität zu Berlin	DE	36.0	7.3
44=	33	Technion - Israel Institute of Technology	IL	36.0	6.0
44=	107=	Rheinische Friedrich-Wilhelms-Universität	DE	36.0	8.3
47	72	University of Copenhagen	DE	35.5	7.9
48	35	Utrecht University	NL	35.2	8.1
49	46	Ecole Polytechnique Fédérale de Lausanne	CH	35.0	9.3
50=	60	UCL (University College London)	GB	34.9	8.1

Social Sciences & Management

2010 rank	2009 rank	Institution	Country/ Territory	Score	Citations per paper
1	1	Harvard University	US	100.0	4.5
2	3	University of Oxford	GB	90.3	2.8
3	4	University of Cambridge	GB	89.7	3.0
4	5	London School of Economics (LSE)	GB	84.1	2.9
5	2	University of California, Berkeley (UCB)	US	83.7	3.8
6	6	Stanford University	US	80.5	4.6
7	7	University of Chicago	US	74.1	3.4
8	8	Yale University	US	72.9	4.0
9	10	Columbia University	US	68.7	3.7
10	9	Princeton University	US	67.2	5.3
11	14	University of California, Los Angeles (UCLA)	US	66.5	3.7
12	12	Massachusetts Institute of Technology (MIT)	US	64.8	6.0
13	11	Australian National University (ANU)	AU	61.0	2.2
14	23	University of Michigan	US	56.8	4.3
15	24	University of Pennsylvania (UPenn)	US	56.4	3.9
16	20	National University of Singapore (NUS)	SG	56.0	1.9
17	15	University of Toronto	CA	55.6	2.8
18	13	University of British Columbia (UBC)	CA	54.8	3.4
19	22	New York University (NYU)	US	54.3	3.7
20	16	University of Tokyo, The	JP	53.9	1.4
21	19	University of Melbourne	AU	49.9	2.1
22	18	Cornell University	US	49.8	3.4
23	21	Peking University	CN	47.8	1.3
24	33	University of Warwick	GB	46.7	2.5
25	28	UCL (University College London)	GB	46.5	3.0
26	25	Duke University	US	46.4	4.0
27	17	McGill University	CA	46.1	2.4
28	31	Northwestern University	US	45.6	4.1
29	39	University of Manchester	GB	45.1	3.0
30	27	University of Sydney	AU	44.0	1.8
31	44	University of Wisconsin-Madison	US	43.2	4.0
32	32	University of Amsterdam	NL	41.9	3.1
33	35	University of New South Wales (UNSW)	AU	41.0	2.0
34	26	Monash University	AU	40.7	1.6
35	34	University of Hong Kong (HKU)	HK	40.3	1.7
36	93	University of Texas at Austin (UT Austin)	US	39.3	2.8
37	74	Université Paris 1, Panthéon-Sorbonne	FR	38.1	0.9
38	37	University of Auckland	NZ	38.0	3.0
39	29	Kyoto University	JP	37.0	1.5
40	77=	Ludwig-Maximilians-Universität München	DE	36.8	2.6
41	48	University of Edinburgh	GB	36.7	2.8
42	30	Seoul National University (SNU)	KR	36.4	1.2
43	58=	Chinese University of Hong Kong (CUHK)	HK	35.9	2.0
44	68=	University of Illinois at Urbana-Champaign	US	35.5	3.8
45	102=	University of North Carolina, Chapel Hill	US	35.0	3.7
46=	45	King's College London (KCL)	GB	34.9	4.0
46=	43	Tsinghua University	CN	34.9	0.7
48=	38	University of California, San Diego (UCSD)	US	34.7	4.7
48=	68=	Università Commerciale Luigi Bocconi	IT	34.7	2.9
50	85	University of Minnesota	US	34.5	3.3



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QS Stars: shining a light on excellence

Deena Al Hilli

There have been many discussions and much research around the notion of a “World Class University”; the importance of it to governments, employers, investors, alumni, students, applicants and the universities themselves. Therefore the measurement of a world class university is critical. There is general agreement that the main factors to consider when looking at a world class university are: the excellence in education of its students; its research, development and dissemination of knowledge; and its activities contributing to the cultural, scientific, and civic life of society.ⁱ According to the paper from Columbia University, *What is a World Class University?*, excellence in education refers to the resources and organization of undergraduate, graduate, and professional instruction and educational opportunities for students. They go on to discuss further that this goal requires outstanding faculty, high quality teaching and other instructional activities, as well as availability of good libraries, laboratories, and other pertinent facilities.

Taking these factors into consideration, what do students require to make the necessary decision on where to spend the most important years of their education? How do they find out about the level of research or the cultural society of an institution? Many of these questions have been answered in recent years with the birth of the QS World University Rankings[®]. These rankings identified four key pillars upon which a “World Class University” can be built, and as a basis for evaluation, used them as criteria under which indicators have been chosen to evaluate universities globally. These pillars are research quality, teaching quality, graduate employability and international outlook.

Evaluating quality

Expanding on these pillars, QS has derived a new evaluation system, QS Stars. This system acknowledges and benchmarks universities

against the factors mentioned above, allowing students to look beyond rankings and assess the institutions on a deeper level, assisting them in their decision-making process.

Many universities have “World-Class” attributes such as outstanding faculty and excellent teaching quality, and excel in a particular subject area. However due to the nature of the rankings, their excellence may not have received the credit that is due. QS Stars give a university the opportunity to highlight its strengths via awarded recognition. Universities are awarded with a badge that displays their number of stars; they also receive an evaluation report called “The Development Roadmap”. This report highlights a university’s key strengths in the evaluation and areas for improvement.

The QS Stars system covers eight major indicators: research quality, graduate employability, teaching quality, infrastructure, internationalization, innovation and knowledge transfer, third mission and a rank in a specialist subject area. Universities are assessed against these indicators and are awarded with stars based on the criteria that the institution can meet. Each indicator is divided into several sections with an allocation of points, covering the majority of aspects needed in a detailed evaluation. An institution would need to meet each of the indicator requirements in order to earn the maximum number of points; the institution is then awarded with their star status

depending on the number of points achieved through the evaluation.

Star status

QS Stars has already seen a strong interest from many universities and governments worldwide. Institutions currently being evaluated include IE University in Spain, Binus University in Indonesia and Nanyang Technological University (NTU) in Singapore. Professor Bertil Andersson, Provost, Nanyang Technological University, talks about QS Stars: “NTU is undergoing rapid development and the current ranking from QS is a confirmation that NTU today has a high international standing. NTU is participating in a QS Stars audit to establish our strengths as a university across a broader set of criteria than can be measured in any ranking system, to provide valuable information for our many stakeholders: students, employers, fellow academics as well as our local community.”

QS Stars helps universities in their international marketing approach; it also benefits those institutions where English is not their first language. The QS Stars evaluation complements the QS World University Rankings[®], as it allows students to get the best of both by providing them with a more detailed overview of their selected institutions.

i. What is a World Class University? Henry M. Levin, Dong Wook Jeong, Dongshu Ou



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