

APPENDIX 44-2-B - Methodology for Rankings of Chinese Universities

Criteria in three rankings: ARWU World, Greater China, and BCUR (2019)

ARWU World and Top Universities in Greater China have similar “Dimensions” and “Criteria”

BCUR - Best Chinese University Rankings resemble other countries' local rankings but with more emphasis on research

	ARWU World	Greater China
Number of Institutions in Ranking -2019	154	178 /100 ¹
Mainland China	132	121/74
Hong Kong	7	10/6
Taiwan	13	43/18
Macau	2	4/2

¹ – 178 selected and 100 released

	Weight	Weight
Quality of Education	30%	35%
Institution's Alumni winning Nobel prizes and field medals	10%	10%
Institutions Staff winning above Awards	30%	
Percentage graduate students		5%
Percentage non-local students		5%
Ratio of Academic staff to students		5%
Doctoral degrees awarded		10%
Quality of Faculty	40%	25%
Highly Cited researchers	20%	10%
Papers published in <i>Nature & Science</i> ☉ 1	20%	10% ☉ 2
Research Output		35%
Annual research income		5%
Papers indexed in SSI-E and SSICI (PUB)	20%	10%
International Patents		10%
Per Capita Performance	10%	
Per Capita academic Performance of an institution		
Resources Annual Budget		5%

☉ Papers published in *Nature and Science*

1- social science universities just rated on HiCi

2 - Placed in Research category of Greater China

Results: Tsinghua is tops in most categories for number and Chinese University of Hong Kong is tops in many categories for per capita.

BEST CHINESE UNIVERSTY RANKINGS

■ Ranking Criteria and Weights

BCUR ranks universities according to their performance in four dimensions: teaching and learning, research, social service as well as internationalization.

Dimension	Criteria	Indicator	Weight
Teaching and Learning	Quality of Incoming Students	Average score of incoming freshmen in national college entrance exam	30%
	Education Outcome	Employment rate of bachelor degree recipients	10%
	Reputation	Income from donations	5%
Research	Scale of Research	Number of papers in Scopus	10%
	Quality of Research	Field Weighted Citation Impact	10%
	Top Research Achievements	World Top 1% Most Cited Paper	10%
	Top Scholars	Chinese Most Cited Researchers	10%
Social Service	Technology Service	Research Income from Industry	5%
	Technology Transfer	Income from Technology Transfer	5%
Internationalization	International Student Ratio	International Students as a Percentage of Total Students	5%

For each indicator, the highest scoring institution is assigned a score of 100, and other institutions are calculated as a percentage of the top score. Scores for each indicator are weighted as shown above to reach at a final overall score for an institution.

Academic Rankings of World Universities – [Methodology](#)

[http://www.shanghairanking.com/ARWU-Methodology-2019.html#:~:text=ARWU%20considers%20every%20university%20that,\(SSCI\)%20are%20also%20included.](http://www.shanghairanking.com/ARWU-Methodology-2019.html#:~:text=ARWU%20considers%20every%20university%20that,(SSCI)%20are%20also%20included.)

Top Universities in Greater China - [Methodology](#)

http://www.shanghairanking.com/Greater_China_Ranking/Greater_China_Ranking2019.html

BCUR Overview http://www.shanghairanking.com/Chinese_Universities_Rankings/About-Best-Chinese-Universities-Rankings.html

BCUR Methodology http://www.shanghairanking.com/Chinese_Universities_Rankings/Best-Chinese-Universities-Rankings-Methodology-2019.html

SEE Table 44- 2- 4 for Greater Chinese and AWRU Rankings comparing 2011 and 2019

SEE Table 44-2-5 for Best Chinese Universities Ranking compared with the rankings of Chinese universities in Greater China and ARWU.

Both tables include an example of a key criteria

Top Universities: Tsinghua, Peking, Zhejiang, Shanghai Jiao Tong, Fudan, University of Science and Technology