

2017 Academic Rankings of World Universities

Summary

The Shanghai Ranking Consultancy released its 2017 Academic Ranking of World Universities (ARWU), also known as the Shanghai Ranking, on August 15, 2017. In total, more than 1,300 universities were ranked and the top 800 were published. The University of Saskatchewan (U of S) was placed in the 301-400 category¹, improving from 401-500 last year.

Nineteen Canadian universities were placed in the top 500. The University of Toronto was ranked the highest at 23rd, followed by the University of British Columbia (31st), McMaster University (66th), and McGill University (67th). University of Alberta was ranked 101-150 while University of Montreal, University of Ottawa, and University of Calgary were in the 151-200 category. Queen's University, University of Waterloo, and Western University were ranked 201-300. Dalhousie University, Laval University, University of Guelph, and University of Manitoba, and University of Victoria were ranked 301-400 along with University of Saskatchewan. Simon Fraser University and Concordia were ranked 401-500.

What is the ranking based on?

The ARWU ranking is based on the weighted scores of six indicators (see below) collected from third party data with 40% of the weighting based on quality of faculty, 40% on research output, and 20% on quality of education and per capita performance combined.

Area	Indicator	Weight	Source
Quality of Education	Number of alumni winning Nobel Prizes in the sciences or Fields Medals in mathematics (Alumni)	10%	Official Nobel Prize site and International Mathematical Union for Fields Medals
	Number of staff winning Nobel Prizes in the sciences or Fields Medals in mathematics (Award)	20%	
Quality of Faculty	Number of Highly Cited Researchers in 22 broad subject categories according to Clarivate Analytics' 2016 list of Highly Cited Researchers (HiCi)	20%	Clarivate Analytics websites
	Number of 'articles' or 'proceedings papers' published in Nature and Science over the last five years (N&S)	20%	
Research Output	Number of 'articles' or 'proceedings papers' indexed in Science Citation Index-Expanded and Social Sciences Citation Index in previous year (PUB)	20%	Clarivate Analytics websites
	Number of 'articles' or 'proceedings papers' indexed in Science Citation Index-Expanded and Social Sciences Citation Index in previous year (PUB)	20%	
Per Capita Performance	Per capita academic performance with respect to the size of an institution (PCP)	10%	ARWU indicators/ university data from national agencies

For more information about ARWU's ranking methodology, please go to: <http://www.shanghairanking.com/ARWU-Methodology-2017.html>

¹ The top 100 universities are ranked individually from 1st to 100th place. The remaining universities are ranked into the following categories: Top 101-150, Top 151-200, Top 201-300, Top 301-400, and Top 401-500.

Scores of the University of Saskatchewan

The following table illustrates the scores for the U of S on each of the six indicators that make up the ARWU ranking.

	Alumni	Award	HiCi	N&S	PUB	PCP	OVERALL
U of S score	8.8 ¹	0	10.9	8.1	33.2	17.6	13.7²
Median score for U15 ³	8.8	0	18.9	13.7	45	22.3	19.2
U of S rank among U15	8 th	5 th ⁴	10 th ⁵	14 th	15 th	13 th	13th

¹ Indicator scores are calculated by dividing the actual indicator value by the top university value for that indicator and multiplying by 100. The U of S score of 17.6 on PCP does not mean that faculty at the university have on average 17.6 publications, rather it means the success of our university on PCP is 17.6% of the top university for this indicator.

² ARWU does not publish scores for institutions that are ranked lower than the top 100. This score was determined based on a calculation using the scores and weights for the six individual indicators.

³ The U15 Group of Canadian Research Universities include University of Alberta, University of British Columbia, University of Calgary, Dalhousie University, Laval University, University of Manitoba, McGill University, McMaster University, University of Montreal, University of Ottawa, Queen's University, University of Saskatchewan, University of Toronto, University of Waterloo, and Western University.

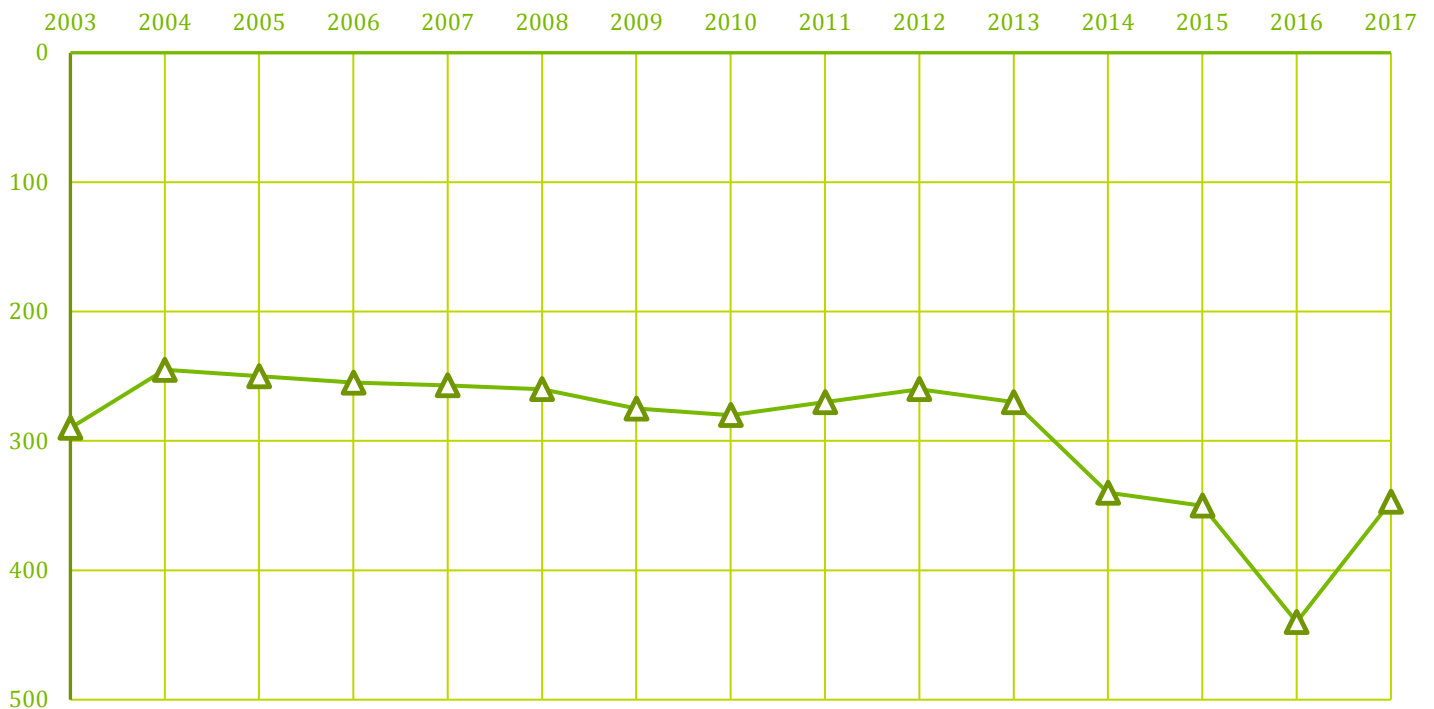
⁴ U of S tied with 10 other institutions at 0. Only four universities scored higher than 0 in this category.

⁵ U of S tied with three other institutions.

Performance of the University of Saskatchewan from 2003 to 2017

The U of S consistently ranked in the 201-300 range between 2003 and 2013, but experienced significant decline between 2014 and 2016, primarily due to changes to the methodology in determining Highly Cited Researchers. This trend has been reversed this year as we improved from 401-500 to 301-400.

U of S Rankings in ARWU, 2003-2017



Rankings by subject

Earlier this year, the Shanghai Ranking Consultancy also published rankings in fifty-two subject areas. The rankings were based on the aggregate score from five weighted indicators that measured research performance: the number of papers, category normalized citation impact, percentage of internationally collaborated papers, the number of papers published in top journals, and the number of faculty winning a significant award in an academic subject. Different weights were allocated to the indicators for different subjects.

The U of S ranked among the top 100 globally in five subject areas: water resources, environmental science & engineering, agricultural sciences, veterinary sciences, and food science & technology.

Academic Ranking of World Universities (ARWU) 2017 Subject Rankings

Subject Area	Ranking	
	World	Canada
Water resources	18	1
Environmental science & engineering	49	4
Agricultural sciences	51-75	4
Veterinary sciences	51-75	4
Food science & technology	76-100	4

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