

## 2014 Academic Rankings of World Universities

### Summary

The Shanghai Ranking Consultancy released its 2014 Academic Ranking of World Universities (ARWU), also known as the Shanghai Ranking, on August 16, 2014. In total, more than 1,200 universities were ranked and the top 500 were published. The University of Saskatchewan (U of S) was ranked in the 301-400 category<sup>1</sup>, having dropped from 201-300 in previous years.

Twenty-one Canadian universities were placed in the top 500. The University of Toronto was ranked the highest at 24th, followed by the University of British Columbia (37th), McGill University (67th) and McMaster University (90th). University of Alberta, University of Montreal and University of Calgary were ranked 101-200. Dalhousie University, Laval University, Queen's University, Simon Fraser University, University of Guelph, University of Ottawa, University of Victoria, University of Waterloo and Western University were ranked 201-300. University of Manitoba was ranked 301-400 along with University of Saskatchewan. Carleton University, University of Quebec, and York University were ranked 401-500.

### What is the ranking based on?

The Academic Ranking of World Universities 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
<b>Quality of Education</b>	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
<b>Quality of Faculty</b>	Number of staff winning Nobel Prizes in the sciences or Fields Medals in mathematics (Award)	20%	
<b>Research Output</b>	Number of highly cited researchers (top 250) in 21 broad subject categories (HiCi)	20%	Thomson Reuters websites
	Number of 'articles' or 'proceedings papers' published in Nature and Science over the last five years (N&S)	20%	
<b>Per Capita Performance</b>	Number of 'articles' or 'proceedings papers' indexed in Science Citation Index-Expanded and Social Sciences Citation Index in previous year (PUB)	20%	ARWU indicators/ university data from national agencies
	Per capita academic performance with respect to the size of an institution (PCP)	10%	

For more information about ARWU's ranking methodology, please go to: <http://www.shanghairanking.com/ARWU-Methodology-2014.html>

<sup>1</sup> The top 100 universities are ranked individually from 1<sup>st</sup> to 100<sup>th</sup> 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 Academic Ranking of World Universities.

	Alumni	Award	HiCi	N&S	PUB	PCP	OVERALL
U of S score	9.1 <sup>1</sup>	0	7.9	7.7	32.7	15.5	<b>12.1<sup>2</sup></b>
Median score for Canadian universities	0	0	13.8	12.9	36.9	18.8	<b>14.1</b>
<i>U of S rank among Canadian universities<sup>3</sup></i>	<i>7th</i>	<i>4th<sup>4</sup></i>	<i>18th</i>	<i>20th</i>	<i>17th</i>	<i>19th</i>	<b><i>17th</i></b>

<sup>1</sup> 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 15.5 on PCP does not mean that faculty at the university have on average 15.5 publications, rather it means the success of our university on PCP is 15.5% of the top university for this indicator.

<sup>2</sup> 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.

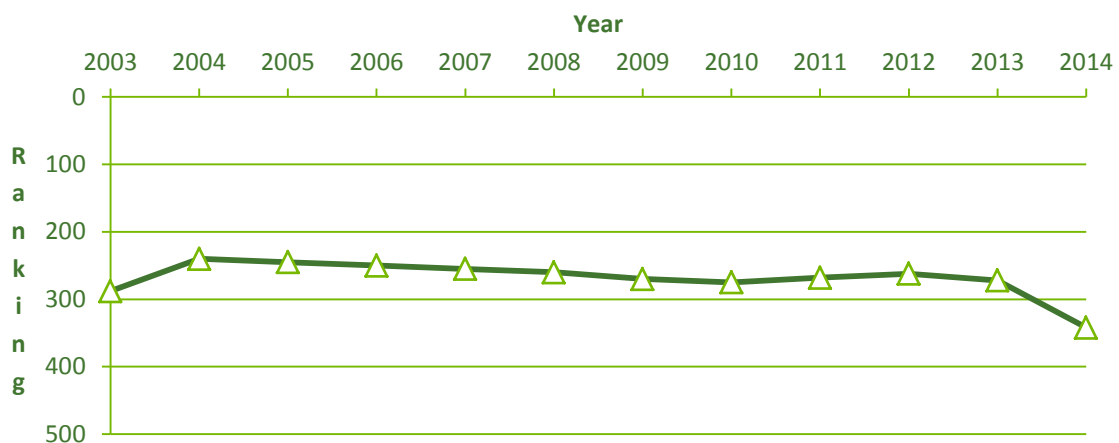
<sup>3</sup> Twenty-one Canadian Universities were in the top 500.

<sup>4</sup> U of S tied with 17 institutions at 0. Only three universities scored higher than 0 in this category.

The single most important factor for the drop in the ranking of the U of S was significantly lower score in the HiCi category which was based on the number of highly cited researchers (15.7 in 2013 and 7.9 in 2014). The number of Highly Cited Researchers was selected by Thomson Reuters. The previous list of highly cited researchers was issued in 2001, and it identified more than 6,000 researchers. This list of Highly Cited Researcher was used in ARWU from 2003 to 2013. In 2014, Thomson Reuters developed a new list of Highly Cited Researchers with some 3,000 names based on a different methodology. In order to have a relatively smooth transition to the new list of Highly Cited Researchers and avoid too much fluctuation of ranking results due to the methodological change, both the old Highly Cited Researchers list and the new Highly Cited Researchers list were used in the calculation of HiCi indicator in ARWU 2014, and they were equally weighted. The U of S had four highly cited researchers on the previous list, but none on the new list.

## Chronological Performance of the University of Saskatchewan from 2003 to 2014

The following chart illustrates the placement of the University of Saskatchewan in the Academic Ranking of World Universities since its inception in 2003.



## Rankings by broad subject field

In addition to the overall ranking, the Shanghai Ranking Consultancy also published the top 200 universities in five broad subject fields: Natural Sciences and Mathematics (SCI), Engineering/Technology and Computer Sciences (ENG), Life and Agriculture Sciences (LIFE), Clinical Medicine and Pharmacy (MED), and Social Sciences (SOC). These rankings are compiled based on similar methodology with the overall ranking.

The U of S was not ranked in the top 200 in these subject fields in 2014. Last year, the U of S ranked 151-200 in engineering/technology and computer sciences, as well as in life and agriculture sciences. The following table illustrates the placement of Canadian universities in the broad subject field rankings in 2014.

University	SCI	ENG	LIFE	MED	SOC	Total number of fields in the top 200
McGill University	101-150	76-100	28	42	51-75	5
University of British Columbia	51-75	101-150	33	101-150	28	5
University of Toronto	34	24	39	27	29	5
McMaster University	151-200	151-200	-	45	48	4
University of Alberta	-	76-100	76-100	76-100	50	4
University of Montreal	-	101-150	101-150	101-150	76-100	4
University of Ottawa	151-200	-	-	151-200	151-200	3
Queen's University	-	-	-	151-200	101-150	2
University of Calgary	-	-	-	101-150	151-200	2
University of Laval	-	-	101-150	151-200	-	2
Waterloo University	-	47	-	-	151-200	2
Dalhousie University	-	-	151-200	-	-	1
Simon Fraser University	-	-	-	-	101-150	1
University of Guelph	-	-	76-100	-	-	1
University of Manitoba	-	-	-	151-200	-	1
University of Victoria	101-150	-	-	-	-	1
University of Western Ontario	-	-	-	-	101-150	1
York University	-	-	-	-	101-150	1
Carleton University	-	-	-	-	-	0
University of Quebec	-	-	-	-	-	0
<b>University of Saskatchewan</b>	-	-	-	-	-	<b>0</b>

## Rankings by subject

Currently, the Shanghai Ranking Consultancy only publishes rankings in five specific subjects: mathematics, physics, chemistry, computer science, and economics/business. The U of S was not ranked in the top 200 in these subjects.

For more information, visit

[www.usask.ca/ipa](http://www.usask.ca/ipa)