

Academic Unit Review (AUR) Financial and Statistical data

Department of Physics (PHYS)

University of Regina – Office of Resource Planning – February 2016

Overview

This page describes enrolment, convocation and financial data provided for the University's Academic Unit Reviews (AURs). Production and verification of these data is coordinated by the U Regina Office of Resource Planning. The Academic Review process is governed by University policy, which is available online for consultation.¹

The University of Regina "system" consists of the University itself together with three administratively independent but academically integrated federated colleges: Campion College, Luther College, and First Nations University of Canada.

Each college hires its own instructional staff, including tenured and tenure-stream faculty, and independently manages its finances. Each has its own Board, and its own collective agreements with its employees. Federated colleges offer courses that are approved by University of Regina collegial bodies for University of Regina degrees and certificates. Colleges do not themselves award degrees or certificates. Instructional staff in each college are academic members of the appropriate system-wide Academic Unit(s) – e.g., the Faculty of Arts or the Faculty of Science and, where applicable, an academic department such as English or History. However, federated college staff are not hired, paid or reviewed by the larger Faculty or academic department, nor is their teaching assigned by anyone other than the college itself. Finally, though they teach University of Regina students in University of Regina programs, federated college staff are not University of Regina employees. They are employed under separate collective agreements with their respective colleges.

The financial data included in this package include only revenues and expenditures directly managed by the University of Regina itself. Each federated college will have its own revenues and expenditures. Most research funding, particularly tri-council, is managed through the University of Regina itself, and is thus included in the financial data, but some smaller research funds may flow directly to federated colleges. The credit hours indicated in the financial report are only those taught by University teaching staff, thus accruing both tuition revenue and staff expenditure to the University.

By contrast, all non-financial statistics provided in this package are system-wide: they include the University proper and its three federated colleges. All statistics include both Undergraduate level and Graduate level students and courses.

¹ www.uregina.ca/president/executive-team/provost-vp-academic/academic-unit-reviews/index.html

Majors and Minors offered by Physics (PHYS, Graduate and/or Undergraduate)

PHYS Physics
APPH Applied Physics (since 2013)
PHCS Computation Physics (replaced by APPH in 2013)
PHEL Electronic Physics (replaced by APPH in 2013)

Course Subjects (SUBJ) taught by Physics (PHYS, Graduate and/or Undergraduate)

PHYS Physics
ASTR Astronomy

Included Documents

1. Financial Summary: Five year fiscal-year history of credit Hours taught (by U Regina staff), spending (salaries and discretionary), and tuition & research revenue; 2010-11 through 2014-15 fiscal years. Note that these data are for U Regina only, excluding activity at federated colleges:

1.a) > PHYS URegina spending & revenue.pdf

2. Program Enrolment Headcounts: Six year Fall Census Date Enrolments Headcounts for Programs offered through PHYS; Fall 2010 through Fall 2015. Including U Regina and federated colleges; broken into Graduate (PhD, Masters, Diplomas) and Undergraduate (Bachelors, Certificates, Diplomas); First Majors, 2nd ("Added") Majors and 1st & 2nd Minors:

2.a) > PHYS Census Date Majors & Minors summary.pdf

2.b) > PHYS Census Date Majors & Minors detail.pdf

3. Degrees & Certificates: Fifteen year Annual (Spring+Fall) Convocations for PHYS; 2001 through 2015. Including U Regina and federated colleges (all credentials are awarded by the University of Regina); broken into Graduate (PhD, Masters, Diplomas) and Undergraduate (Bachelors, Certificates, Diplomas); First Majors, 2nd ("Added") Majors and 1st & 2nd Minors:

3.a) > PHYS Convocations of Majors & Minors summary.pdf

3.b) > PHYS Convocations of Majors & Minors detail.pdf

Pending Document

In mid February we will provide you with a history of credit hours taught, and associated course enrolments. We collect these data as of the "Census Date" at the end of 4th week of classes, so the data for the final Term (201610) of the current fiscal year (2015-16) have just become available (as of Feb. 3).

4. Credit Hours Taught/Course Enrolments: Ten-year history of credit hours taught, and associated course enrolments, by fiscal year through 2015-16; Undergrad. & Grad. level. This data includes U Regina **and** the three federated colleges (thus is larger than the U Regina-only data used in the Financial report).

4.a) > PHYS Credit Hours Summary, by Course Level (UG 1st Year, 2nd Year, 3rd&4th Year; Grad. level)

4.b) > PHYS Credit Hours Summary, by Subject

Census Date Students, Summary of Majors & Minors for PHYS APPH PHEL PHCS

			Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
LEVEL	MajMin	Level2 MajMinLevelDetail	201030	201130	201230	201330	201430	201530
UG	First Major	MJ1 First Major (APPH)						2
		MJ1 First Major (PHCS)	1	1	1			
		MJ1 First Major (PHEL)			1			
		MJ1 First Major (PHYS)	25	32	33	26	32	41
		Total	26	33	35	26	32	43
	Minor	MN1 Added Minor (PHYS)	2	2	2	1	2	1
		Total	2	2	2	1	2	1
GR	First Major	MJ1 First Major (PHYS)	8	7	7	8	11	10
		Total	8	7	7	8	11	10
Grand Total			36	42	44	35	45	54

CensusDate Students **MJ&MN1**, Nov. 2015, University of Regina Office of Resource Planning

Census Date Students, Programs by Majors & Minors for PHYS APPH PHEL PHCS

LEVEL	MajMin Level	MajMinLevelDetail	Degr Code 1	Program	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	
					201030	201130	201230	201330	201430	201530	
UG	Major	MJ1 First Major (APPH)	BSC	SCBSC Bachelor of Science						2	
		MJ1 First Major (PHCS)	BSC	SCBSC Bachelor of Science	1						
				SCBSCC Bachelor of Science (Co-op)		1	1				
		MJ1 First Major (PHEL)	BSC	SCBSCC Bachelor of Science (Co-op)			1				
		MJ1 First Major (PHYS)	BSC	SCBSC Bachelor of Science	21	28	28	21	20	28	
				SCBSCC Bachelor of Science (Co-op)		1	2	1	2	2	
				SCQUAL Science Qualifying				1	5	4	
	BSCHON	SCBSCHON Bachelor of Science Hon..	3	1	3	3	4	5			
		SCBSCHONC B of Science Honours (..	1	2			1	2			
	Total					26	33	35	26	32	43
	Minor	MN1 Added Minor (PHYS)	BSC	SCBSC Bachelor of Science	2	2	2				
				SCBSCC Bachelor of Science (Co-op)					1		
				SCBSCI Bachelor of Science (Intern)				1	1		
BSCHON			SCBSCHONC B of Science Honours (..						1		
Total					2	2	2	1	2	1	
GR	Major	MJ1 First Major (PHYS)	MSC	GSCMSPHYSM MSc Physics Thesis	4	4	4	4	5	4	
			PHD	GSCPHPHYS1 PhD Physics Thesis ..	1					1	
				GSCPHPHYS2 PhD PHYS Thesis P..	3	3	3	4	6	5	
	Total					8	7	7	8	11	10
Grand Total					36	42	44	35	45	54	

CensusDate Students **MJ&MN2**, Nov. 2015, University of Regina Office of Resource Planning

URegina Summary of FB Convocations of Majors & Minors for **PHYS APPH PHCS PHEL**

Convocation Calendar Year

Conv Level	DEG Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Grand Total
Grad	PhD			2		1			1		1			1			6
	Masters	1	3		1	1	2	1		1	2	1	1	1	2	1	18
Under Grad	Bachelor	4	6	10	8	4	6	6		2	5	2	5	7	1	5	71
Grand Total		5	9	12	9	6	8	7	1	3	8	3	6	9	3	6	95

FB Convocations **ConvMJ&MN1**, Nov. 2015, University of Regina Office of Resource Planning

URegina FB Convocations of Majors & Minors for PHYS APPH PHCS PHEL

Conv Level	MajMin Level	MajMinLevelDetail	PROG_DESC	Convocation Calendar Year													Grand Total					
				2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014	2015			
Grad	Major	MJ1 First Major (PHYS)	~Doctor of Philosophy			2														2		
			~Master of Science	1	3																4	
			MSc Physics Thesis				1	1	2	1		1	2	1	1	1	2	1			14	
			PhD PHYS Thesis Post-Masters									1						1				2
			PhD Physics Thesis Post-Bach					1						1								2
			Total				1	3	2	1	2	2	1	1	1	3	1	1	2	2	1	24
Under Grad	Major	MJ1 First Major (PHCS)	Bachelor of Science		1															1		
			Bachelor of Science (Co-op)														1				1	
		MJ1 First Major (PHEL)	Bachelor of Science			1																1
			Bachelor of Science (Co-op)									1						1				2
		MJ1 First Major (PHYS)	B of Science Honours (Co-op)			2	1		3								3					9
			Bachelor of Science	1	2	2	5	2	2	2		1		1	1	1				3		23
			Bachelor of Science (Co-op)					1							1			2				4
			Bachelor of Science Honours	3	3	3	2		1	2		1	3						1			19
	Total		4	6	8	8	3	6	5	2	4	1	4	5	1	3				60		
	Minor	MN1 Added Minor (PHYS)	Bachelor of Science			1					1			1	1	1	2				7	
			Bachelor of Science (Co-op)			1																1
			Bachelor of Science Honours					1													1	2
		MN2 Added Minor (PHYS)	Bachelor of Science																		1	1
			Total			2		1		1		1			1	1	1	2			2	11
Grand Total				5	9	12	9	6	8	7	1	3	8	3	6	9	3	6		95		

FB Convocations **ConvMJ&MN2**, Nov. 2015, University of Regina Office of Resource Planning

UNIVERSITY OF REGINA
Analysis of Physics Spending, Tuition, Research Revenue and Teaching
For Fiscal Years 2011 to 2015

	2011	2012	2013	2014	2015	TOTAL
Physics Spending						
Academic Staff Total	1,244,721	1,224,575	1,190,014	1,128,540	1,098,553	5,886,403
Sessionals Total	6,725	28,625	46,769	25,715	33,476	141,310
Overloads Paid	4,930	-	5,961	-	-	10,891
Total Academic Spending	1,256,376	1,253,200	1,242,744	1,154,255	1,132,029	6,038,604
***Nader Mobed's salary included at 50% as the Associate Dean, since there would be a 50% course relief for						
Other Labour	58,522	62,166	55,959	74,805	63,717	315,169
Other Spending (net of Recoveries)	30,942	39,047	19,046	15,641	7,103	111,779
Total Spending	1,345,840	1,354,413	1,317,749	1,244,701	1,202,848	6,465,551

source: Robert Sonder, Financial Services & Keith Fortowsky, Office of Resource Planning
University of Regina Feb 5 2015

	2011	2012	2013	2014	2015	TOTAL
Physics Revenue						
Total Tuition Generated by Physics	586,968	624,951	656,769	673,853	785,242	3,327,784
Physics Research						
Grants Awarded/Contracts Signed	472,225	619,915	339,389	91,186	543,095	2,065,810
Grant/Contract Revenue Received	1,043,885	857,082	609,264	348,186	373,845	3,232,262
Physics Teaching						
Undergraduate Teaching						
Average Students Per Class	41.5	39.0	36.6	38.3	42.9	39.6
Classes	27	30	31	29	29	146
Students	1,121	1,171	1,136	1,110	1,244	5,782
Credit Hours	3,372	3,516	3,414	3,339	3,744	17,385
Graduate Teaching						
Credit Hours	93	64	76	84	97	414

Cost per Science Credit Hour-Undergrad (Fall Rate)						
Tuition	147.00	164.00	187.50	195.75	203.25	
Course Fee	22.10	10.20				
Total	169.10	174.20	187.50	195.75	203.25	
Cost per Science Credit Hour-Graduate						
	180.25	194.75	219.00	241.00	250.25	

*** Included in the 2012-13 Tuition is \$6.25/credit hour increase, since the service fee was rolled into tuition

- Notes: 1. Above courses and credit hours are those taught by U Regina, both CCE and Faculty/Dept.; Courses & credit hours taught by federated colleges are excluded from above counts.
2. Due to ambiguity in section cross-link coding, some Graduate-level credit hours may be mistakenly attributed to the Undergraduate level.
3. Graduate-level credit hours include only PHYS (taught by U Regina)
Undergrad credit hours include PHYS and ASTR but all ASTR are currently taught by fed. colleges