## **Economics Legislation Committee**

## ANSWERS TO QUESTIONS ON NOTICE

Industry, Innovation, Science, Research and Tertiary Education Portfolio Budget Estimates Hearing 2012-13 28 and 29 May 2012

## **AGENCY/DEPARTMENT:** DEPARTMENT OF INDUSTRY, INNOVATION, SCIENCE, RESEARCH AND TERTIARY EDUCATION

**TOPIC:** Full-time academic research staff

**REFERENCE:** Written Question - Rhiannon

**QUESTION No.:** BI-222

- 1. What is the trend since 2000 of the proportions of full-time academic research staff per research student compared with the proportion of full-time academic teaching staff per coursework student in each university?
- 2. What are the proportions of research staff, research only staff, teaching & research staff, and teaching staff for each university since 2000?
- 3. How do the trends correlate to the trends and actual numbers of research students and in coursework students?

## **ANSWER:**

- 1. The proportions of full-time and fractional full-time academic research staff per research student compared with the proportions of full-time and fractional full-time academic teaching staff per coursework student in each university are at Attachment 1.
- 2. The proportions of research only staff, teaching only staff and teaching & research staff for each university are presented in Attachment 2.
- 3. The trends and actual numbers of research students and coursework students in each university are shown in Attachment 3.

Table 1 below provides a summary of staff and students numbers for the period 2001 to 2011.

Table 1: Summary table of staff and student numbers and proportions of various staff and student groups, 2001-2011

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
0.211	0.223	0.233	0.240	0.248	0.262	0.276	0.287	0.293	0.282	0.273
0.804	0.810	0.809	0.814	0.832	0.833	0.854	0.878	0.876	0.844	0.816
0.001	0.001	0.001	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.003
0.033	0.031	0.031	0.031	0.032	0.032	0.031	0.031	0.030	0.029	0.030
9132	9829	10633	11339	11933	12944	13857	14547	15455	15704	15985
1024	1154	1269	1401	1239	1422	1655	1502	1787	2060	2943
25711	25916	26304	27151	28148	28280	28970	29957	30693	31313	31757
42338	44245	46229	47767	49087	49362	50580	52372	54995	56882	58839
11.68%	12.11%	12.59%	12.94%	13.20%	14.07%	14.58%	14.79%	15.02%	14.82%	14.59%
1.31%	1.42%	1.50%	1.60%	1.37%	1.55%	1.74%	1.53%	1.74%	1.94%	2.69%
32.88%	31.94%	31.15%	30.97%	31.13%	30.74%	30.47%	30.45%	29.82%	29.55%	29.00%
2.85%	3.13%	3.32%	3.51%	3.00%	3.33%	3.72%	3.26%	3.73%	4.20%	5.81%
3.83%	4.26%	4.60%	4.91%	4.22%	4.79%	5.40%	4.77%	5.50%	6.17%	8.48%
54.14%	54.53%	54.75%	54.49%	54.30%	53.65%	53.21%	53.24%	53.43%	53.68%	53.72%
43362	44128	45659	47309	48201	49467	50140	50704	52685	55740	58523
810660	863835	896051	909148	908976	934594	979706	1015391	1082181	1136917	1162485
5.1%	4.9%	4.8%	4.9%	5.0%	5.0%	4.9%	4.8%	4.6%	4.7%	4.8%
94.9%	95.1%	95.2%	95.1%	95.0%	95.0%	95.1%	95.2%	95.4%	95.3%	95.2%
	2001 0.211 0.804 0.001 0.033 9132 1024 25711 42338 11.68% 1.31% 32.88% 2.85% 3.83% 54.14% 43362 810660 5.1%	2001     2002       0.211     0.223       0.804     0.810       0.001     0.001       0.033     0.031       9132     9829       1024     1154       25711     25916       42338     44245       11.68%     12.11%       1.31%     1.42%       32.88%     31.94%       2.85%     3.13%       3.83%     4.26%       54.14%     54.53%       43362     44128       810660     863835       5.1%     4.9%	2001     2002     2003       0.211     0.223     0.233       0.804     0.810     0.809       0.001     0.001     0.001       0.033     0.031     0.031       9132     9829     10633       1024     1154     1269       25711     25916     26304       42338     44245     46229       11.68%     12.11%     12.59%       1.31%     1.42%     1.50%       32.88%     31.94%     31.15%       2.85%     3.13%     3.32%       3.83%     4.26%     4.60%       54.14%     54.53%     54.75%       43362     44128     45659       810660     863835     896051       5.1%     4.9%     4.8%	2001     2002     2003     2004       0.211     0.223     0.233     0.240       0.804     0.810     0.809     0.814       0.001     0.001     0.001     0.002       0.033     0.031     0.031     0.031       9132     9829     10633     11339       1024     1154     1269     1401       25711     25916     26304     27151       42338     44245     46229     47767       11.68%     12.11%     12.59%     12.94%       1.31%     1.42%     1.50%     1.60%       32.88%     31.94%     31.15%     30.97%       2.85%     3.13%     3.32%     3.51%       3.83%     4.26%     4.60%     4.91%       54.14%     54.53%     54.75%     54.49%       43362     44128     45659     47309       810660     863835     896051     909148       5.1%     4.9%     4.8%     4.9%	0.211     0.223     0.233     0.240     0.248       0.804     0.810     0.809     0.814     0.832       0.001     0.001     0.002     0.001       0.033     0.031     0.031     0.031     0.032       9132     9829     10633     11339     11933       1024     1154     1269     1401     1239       25711     25916     26304     27151     28148       42338     44245     46229     47767     49087       11.68%     12.11%     12.59%     12.94%     13.20%       1.31%     1.42%     1.50%     1.60%     1.37%       32.88%     31.94%     31.15%     30.97%     31.13%       2.85%     3.13%     3.32%     3.51%     3.00%       3.83%     4.26%     4.60%     4.91%     4.22%       54.14%     54.53%     54.75%     54.49%     54.30%       43362     44128     45659     47309     48201       810660     8638	2001     2002     2003     2004     2005     2006       0.211     0.223     0.233     0.240     0.248     0.262       0.804     0.810     0.809     0.814     0.832     0.833       0.001     0.001     0.001     0.002     0.001     0.002       0.033     0.031     0.031     0.031     0.032     0.032       9132     9829     10633     11339     11933     12944       1024     1154     1269     1401     1239     1422       25711     25916     26304     27151     28148     28280       42338     44245     46229     47767     49087     49362       11.68%     12.11%     12.59%     12.94%     13.20%     14.07%       1.31%     1.42%     1.50%     1.60%     1.37%     1.55%       32.88%     31.94%     31.15%     30.97%     31.13%     30.74%       2.85%     3.13%     3.32%     3.51%     3.00%     3.33%  <	2001     2002     2003     2004     2005     2006     2007       0.211     0.223     0.233     0.240     0.248     0.262     0.276       0.804     0.810     0.809     0.814     0.832     0.833     0.854       0.001     0.001     0.001     0.002     0.001     0.002     0.002       0.033     0.031     0.031     0.031     0.032     0.032     0.031       9132     9829     10633     11339     11933     12944     13857       1024     1154     1269     1401     1239     1422     1655       25711     25916     26304     27151     28148     28280     28970       42338     44245     46229     47767     49087     49362     50580       11.68%     12.11%     12.59%     12.94%     13.20%     14.07%     14.58%       1.31%     1.42%     1.50%     1.60%     1.37%     1.55%     1.74%       32.88%     31.94%     31.1	2001     2002     2003     2004     2005     2006     2007     2008       0.211     0.223     0.233     0.240     0.248     0.262     0.276     0.287       0.804     0.810     0.809     0.814     0.832     0.833     0.854     0.878       0.001     0.001     0.001     0.002     0.001     0.002     0.002     0.001       0.033     0.031     0.031     0.031     0.032     0.032     0.031     0.031       9132     9829     10633     11339     11933     12944     13857     14547       1024     1154     1269     1401     1239     1422     1655     1502       25711     25916     26304     27151     28148     28280     28970     29957       42338     44245     46229     47767     49087     49362     50580     52372       11.68%     12.11%     12.59%     12.94%     13.20%     14.07%     14.58%     14.79%       1.3	2001     2002     2003     2004     2005     2006     2007     2008     2009       0.211     0.223     0.233     0.240     0.248     0.262     0.276     0.287     0.293       0.804     0.810     0.809     0.814     0.832     0.833     0.854     0.878     0.876       0.001     0.001     0.001     0.002     0.001     0.002     0.001     0.002     0.001     0.002     0.001     0.002     0.001     0.031     0.031     0.031     0.032     0.032     0.031     0.031     0.030       9132     9829     10633     11339     11933     12944     13857     14547     15455       1024     1154     1269     1401     1239     1422     1655     1502     1787       25711     25916     26304     27151     28148     28280     28970     29957     30693       42338     44245     46229     47767     49087     49362     50580     52372     5	2001     2002     2003     2004     2005     2006     2007     2008     2009     2010       0.211     0.223     0.233     0.240     0.248     0.262     0.276     0.287     0.293     0.282       0.804     0.810     0.809     0.814     0.832     0.833     0.854     0.878     0.876     0.844       0.001     0.001     0.001     0.002     0.001     0.002     0.001     0.002     0.001     0.002     0.002       0.033     0.031     0.031     0.032     0.032     0.031     0.031     0.030     0.029       9132     9829     10633     11339     11933     12944     13857     14547     15455     15704       1024     1154     1269     1401     1239     1422     1655     1502     1787     2060       25711     25916     26304     27151     28148     28280     28970     29957     30693     31313       42338     44245     46229 </td

<sup>(</sup>a) HDR students include Doctorate by Research and Master's by Research students.

<sup>(</sup>b) Coursework students include Higher Doctorate, Doctorate by coursework, Master's by coursework, Postgraduate Qualifying or Priliminary, Graduate diploma / Postgraduate diploma, Graduate Certificate, Bachelor's graduate entry, Bachelor's Honours, Bachelor's pass, Associate degree, Advanced diploma/Diploma, Diploma/Associate diploma, Other undergraduate award course, Enabling course, Cross-provider program and Non-award course students.

<sup>(</sup>c) Australian Defence Force Academy numbers are counted in the University of New South Wales.

<sup>(</sup>d) Australian Maritime College numbers are counted in University of Tasmania.

<sup>(</sup>e) Staff numbers exclude casual staff.

<sup>(</sup>f) Data includes Table A, Table B and Avondale College.