

**Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course**

- Notes: (i) The **Number** column shows the number of students who completed the course in 2016.  
(ii) The **P<sub>99</sub>, P<sub>90</sub>, P<sub>75</sub>, P<sub>50</sub>, P<sub>25</sub>** columns refer to the 99th, 90th, 75th, 50th and 25th percentiles respectively.  
(iii) The table excludes courses with less than 10 students or less than four ATAR-eligible students and no percentile data are given for courses with less than 40 students.  
(iv) This table should not be used as a simple HSC to scaled mark conversion table. For each HSC mark there can be a range of raw marks and therefore a range of scaled marks.

Course	Number	Type of mark	Mean	SD	Max. mark	P99	P90	P75	P50	P25
Aboriginal Studies	496	HSC	34.3	7.4	48.5	48.0	44.5	39.5	34.0	29.5
		scaled	13.7	12.2	43.4	42.5	35.2	20.7	9.1	3.8
Agriculture	1,395	HSC	36.0	6.5	49.0	47.0	44.0	41.0	36.5	31.5
		scaled	19.8	11.5	46.6	43.1	36.6	29.3	18.2	10.1
Ancient History	9,909	HSC	35.8	6.9	49.5	47.5	44.5	41.0	36.5	31.5
		scaled	24.0	10.8	49.6	45.3	38.7	32.2	24.1	15.8
Biology	17,735	HSC	37.1	5.8	49.0	47.0	44.5	41.5	37.5	33.0
		scaled	26.4	9.9	50.0	45.0	39.2	34.1	26.9	19.2
Business Studies	17,130	HSC	36.8	6.1	49.0	47.0	44.5	41.5	37.0	33.0
		scaled	24.1	10.8	49.4	45.0	38.6	32.7	24.2	15.6
Chemistry	10,554	HSC	38.0	5.6	49.0	47.5	44.5	42.0	38.5	34.5
		scaled	31.5	9.7	50.0	47.1	43.0	39.3	33.1	25.0
Community & Family Studies	7,944	HSC	36.3	6.1	49.5	46.5	43.5	40.5	37.0	33.0
		scaled	18.8	10.6	44.4	41.0	34.0	27.1	17.8	10.0
Dance	878	HSC	38.8	5.4	49.0	48.0	44.5	43.0	39.5	35.0
		scaled	22.8	11.3	47.2	45.4	39.0	31.5	22.0	13.6
Design & Technology	3,200	HSC	38.4	5.1	49.5	48.0	45.5	42.0	38.5	35.0
		scaled	22.0	10.2	46.7	44.0	36.3	29.5	21.6	14.0
Drama	4,723	HSC	39.1	4.6	49.0	48.0	45.5	42.5	39.0	36.0
		scaled	23.5	10.8	49.6	45.8	38.8	31.7	22.6	15.0
Earth & Environmental Science	1,592	HSC	36.9	6.0	49.0	47.0	43.5	41.0	38.0	33.5
		scaled	23.3	10.4	48.3	44.2	36.7	31.3	24.2	15.2
Economics	5,196	HSC	38.5	5.7	49.0	47.5	45.5	43.0	39.0	34.5
		scaled	32.2	9.2	50.0	46.8	42.8	39.3	33.8	26.5
Engineering Studies	2,006	HSC	37.9	5.4	49.5	47.5	45.0	42.0	38.0	34.0
		scaled	25.7	9.7	48.8	45.0	38.5	33.1	26.1	18.5
English Standard	31,290	HSC	34.6	4.9	48.5	44.5	40.5	38.0	34.5	32.0
		scaled	20.0	8.5	48.0	40.0	31.6	25.9	19.7	13.5
English Advanced	26,080	HSC	40.5	4.2	50.0	47.5	45.5	43.5	41.0	38.0
		scaled	31.7	8.3	50.0	45.8	41.7	38.1	32.7	26.2
English Extension 1	4,354	HSC	42.3	4.1	50.0	48.0	47.0	45.0	43.0	40.0
		scaled	36.2	6.7	50.0	47.0	43.9	41.3	37.2	32.3
English Extension 2	1,619	HSC	39.0	5.7	50.0	49.0	47.0	43.0	39.0	35.0
		scaled	35.5	7.3	50.0	48.7	44.5	40.9	36.1	30.8
ESL	2,327	HSC	35.4	7.1	49.5	47.0	43.0	40.0	36.0	32.0
		scaled	21.7	11.3	49.1	45.2	37.2	30.4	21.5	12.6
Food Technology	3,535	HSC	36.0	6.2	50.0	47.5	44.0	40.5	36.5	31.5
		scaled	19.9	11.3	46.3	43.1	36.2	28.8	18.8	10.4
Geography	4,283	HSC	37.6	5.9	49.0	47.0	44.5	42.0	38.5	34.0
		scaled	25.5	11.0	50.0	46.1	39.7	34.2	26.6	17.3

**Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course**

Course	Number	Type of mark	Mean	SD	Max. mark	P99	P90	P75	P50	P25
Industrial Technology	5,575	HSC	34.8	7.2	49.5	48.0	44.0	40.0	35.5	30.5
		scaled	16.7	9.8	40.6	38.3	31.2	23.9	15.6	8.7
Information Processes & Technology	2,778	HSC	35.9	6.6	49.5	47.0	44.0	40.5	37.0	32.0
		scaled	21.4	10.9	47.8	43.6	36.6	29.8	20.9	12.7
Legal Studies	10,293	HSC	37.7	6.4	49.5	47.5	45.0	42.5	38.5	34.0
		scaled	25.1	11.0	50.0	45.4	39.6	33.9	25.8	16.5
Mathematics General 2	31,758	HSC	34.5	7.4	50.0	47.0	43.5	40.0	35.0	30.0
		scaled	21.9	10.4	46.4	41.6	36.0	30.3	21.8	13.5
Mathematics	16,139	HSC	39.1	7.0	50.0	49.0	47.0	44.5	40.5	35.0
		scaled	31.3	9.7	50.0	47.1	42.8	38.7	32.8	25.3
Mathematics Extension 1	8,671	HSC	40.1	7.1	50.0	50.0	48.0	46.0	41.5	36.0
		scaled	39.5	7.1	50.0	49.4	47.3	44.8	41.0	35.8
Mathematics Extension 2	3,251	HSC	40.7	6.3	50.0	49.0	47.0	45.5	42.0	37.5
		scaled	43.8	4.7	50.0	49.4	48.0	46.8	45.0	42.1
Modern History	10,785	HSC	37.4	6.6	49.0	47.0	44.5	42.0	38.5	34.0
		scaled	26.2	11.3	50.0	45.8	40.2	35.2	27.6	18.0
History Extension	1,862	HSC	39.4	6.0	50.0	49.0	46.0	44.0	40.0	36.0
		scaled	34.1	6.8	49.8	47.1	42.1	38.7	34.5	30.1
Music 1	4,677	HSC	40.7	4.6	49.5	48.5	46.0	44.0	41.5	38.0
		scaled	21.1	10.8	47.1	44.1	36.0	29.4	20.6	12.6
Music 2	717	HSC	43.6	2.8	50.0	49.5	47.0	45.5	44.0	42.0
		scaled	34.4	7.9	50.0	48.6	44.0	40.3	35.6	29.2
Music Extension	453	HSC	43.7	5.2	50.0	50.0	49.0	48.0	45.0	41.0
		scaled	35.8	8.2	50.0	50.0	47.6	42.5	35.7	30.5
PDH&PE	15,498	HSC	36.3	7.2	49.5	47.5	45.0	41.5	37.0	32.0
		scaled	23.0	10.7	48.3	43.7	37.2	31.5	23.0	14.6
Physics	9,156	HSC	36.5	6.3	49.5	47.5	44.5	40.5	37.0	33.0
		scaled	30.4	9.7	50.0	46.2	42.1	38.2	31.9	23.8
Senior Science	6,656	HSC	36.9	5.4	48.5	46.5	44.0	40.5	37.5	33.5
		scaled	18.7	10.0	43.2	40.0	33.0	26.2	18.2	10.6
Society & Culture	4,630	HSC	39.0	5.4	50.0	48.0	45.5	43.0	39.5	35.5
		scaled	23.7	10.6	48.8	44.8	38.1	32.2	23.5	15.5
Software Design & Development	1,842	HSC	37.5	5.5	50.0	48.5	45.0	41.5	37.5	33.5
		scaled	23.8	10.6	48.2	45.0	39.0	32.1	23.2	15.4
Studies of Religion I	8,926	HSC	38.7	5.4	50.0	48.0	45.0	43.0	40.0	35.0
		scaled	27.8	8.9	48.4	44.1	39.2	34.7	28.5	21.6
Studies of Religion II	6,280	HSC	38.0	6.1	49.0	47.0	44.5	43.0	39.5	34.0
		scaled	26.8	10.3	50.0	45.6	39.5	34.9	28.0	19.7
Textiles & Design	1,515	HSC	38.8	5.7	49.5	49.0	46.0	43.0	39.5	35.5
		scaled	22.6	11.4	49.3	47.3	38.8	31.4	21.5	13.4
Visual Arts	8,913	HSC	40.0	4.4	50.0	48.0	45.5	43.5	40.5	37.0
		scaled	22.2	11.1	49.1	45.3	38.1	30.8	21.5	13.3
Arabic Continuers	213	HSC	39.6	4.8	48.0	47.5	45.0	43.0	40.5	37.5
		scaled	17.0	11.3	44.4	42.5	33.8	25.2	15.6	7.9
Arabic Extension	66	HSC	39.3	5.4	48.0	48.0	46.0	44.0	40.0	35.0
		scaled	22.6	6.9	40.9	40.9	31.2	27.4	22.7	17.7

**Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course**

Course	Number	Type of mark	Mean	SD	Max. mark	P99	P90	P75	P50	P25
Armenian	16	HSC	39.5	4.2	49.0					
		scaled	35.0	9.1	50.0					
Chinese Beginners	32	HSC	36.4	10.3	49.0					
		scaled	19.8	12.7	44.6					
Chinese Continuers	98	HSC	42.9	5.4	49.0	49.0	47.0	46.0	44.0	41.5
		scaled	33.5	11.0	50.0	50.0	44.9	42.0	34.9	27.5
Chinese Extension	25	HSC	45.8	2.2	49.0					
		scaled	37.0	5.3	50.0					
Chinese Background Speakers	672	HSC	41.0	3.5	47.5	46.5	45.0	43.5	41.0	39.0
		scaled	22.2	10.9	48.8	44.7	37.6	30.8	21.7	13.9
Heritage Chinese (Mandarin)	84	HSC	43.3	3.2	49.0	49.0	46.5	45.5	44.0	41.5
		scaled	31.4	9.6	50.0	50.0	41.4	38.3	33.1	24.3
Classical Greek Continuers	16	HSC	44.1	4.8	47.5					
		scaled	39.6	10.8	50.0					
Classical Greek Extension	12	HSC	46.1	4.9	50.0					
		scaled	41.3	8.4	50.0					
Classical Hebrew Continuers	34	HSC	42.6	3.7	48.5					
		scaled	34.0	6.4	47.3					
Classical Hebrew Extension	19	HSC	46.1	2.2	50.0					
		scaled	37.3	5.1	50.0					
Filipino	14	HSC	41.9	3.8	45.5					
		scaled	28.1	9.7	42.2					
French Beginners	616	HSC	38.2	7.6	50.0	49.5	47.0	44.0	39.0	33.5
		scaled	24.8	11.1	49.0	47.7	39.0	32.6	25.3	16.3
French Continuers	779	HSC	41.2	5.1	49.5	49.0	47.0	45.5	42.0	38.0
		scaled	34.5	8.4	50.0	48.5	44.4	41.0	35.7	29.1
French Extension	187	HSC	41.7	5.4	49.0	48.0	48.0	46.0	43.0	39.0
		scaled	39.9	5.4	50.0	48.7	46.9	43.4	40.8	36.9
German Beginners	113	HSC	40.5	6.7	49.5	49.5	48.0	46.0	41.5	36.0
		scaled	27.7	11.5	50.0	49.3	42.5	36.3	27.5	18.5
German Continuers	249	HSC	39.7	5.7	49.5	49.0	46.5	44.0	40.5	36.0
		scaled	33.2	9.1	50.0	48.8	44.0	39.8	34.4	27.3
German Extension	49	HSC	42.8	3.9	49.0	49.0	48.0	45.0	44.0	40.0
		scaled	41.6	4.3	50.0	50.0	48.0	44.3	42.1	38.5
Hindi	20	HSC	43.6	3.2	49.0					
		scaled	30.7	8.6	50.0					
Indonesian Beginners	29	HSC	40.1	6.8	49.0					
		scaled	23.2	11.1	44.8					
Indonesian Continuers	80	HSC	39.9	5.0	49.0	49.0	46.5	44.0	39.5	36.5
		scaled	31.0	8.7	50.0	50.0	42.6	37.3	30.9	24.8
Indonesian Extension	15	HSC	39.2	5.3	48.0					
		scaled	34.5	6.7	49.3					
Indonesian Background Speakers	62	HSC	37.5	2.3	46.0	46.0	39.5	38.5	37.0	36.0
		scaled	32.4	5.2	45.0	45.0	38.4	35.9	32.0	28.3

**Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course**

Course	Number	Type of mark	Mean	SD	Max. mark	P99	P90	P75	P50	P25
Italian Beginners	445	HSC	35.5	9.0	49.5	49.0	46.0	42.0	37.0	30.5
		scaled	23.8	11.3	49.3	47.4	39.0	32.1	24.3	15.5
Italian Continuers	273	HSC	39.8	6.0	49.0	48.5	46.5	44.0	40.5	36.5
		scaled	31.6	9.5	50.0	49.2	43.6	38.6	32.1	25.7
Italian Extension	57	HSC	43.3	3.5	50.0	50.0	48.0	46.0	44.0	40.0
		scaled	38.8	5.2	50.0	50.0	45.5	42.6	39.2	34.8
Japanese Beginners	665	HSC	37.0	8.3	49.5	49.0	46.5	43.5	38.5	32.0
		scaled	24.0	11.6	48.3	46.3	39.1	33.4	24.4	14.8
Japanese Continuers	640	HSC	39.9	6.0	49.5	49.0	46.5	44.5	41.0	36.0
		scaled	30.9	10.0	50.0	48.1	43.1	39.0	32.5	23.8
Japanese Extension	179	HSC	41.5	5.5	49.0	49.0	48.0	46.0	42.0	39.0
		scaled	37.8	5.2	50.0	49.1	44.6	41.3	37.5	34.7
Japanese Background Speakers	22	HSC	43.2	3.3	48.0					
		scaled	22.7	10.3	42.8					
Heritage Japanese	31	HSC	43.1	3.1	48.0					
		scaled	29.9	10.5	50.0					
Korean Continuers	20	HSC	43.6	3.8	48.5					
		scaled	24.7	8.1	41.2					
Korean Background Speakers	55	HSC	38.3	6.7	47.0	47.0	45.5	43.5	40.5	34.0
		scaled	22.5	13.6	50.0	50.0	39.1	31.9	23.7	10.7
Heritage Korean	54	HSC	45.3	2.5	48.5	48.5	48.0	47.5	45.5	44.0
		scaled	31.1	9.2	49.0	49.0	44.2	39.0	29.2	25.1
Latin Continuers	164	HSC	43.5	4.3	49.5	49.0	48.0	47.0	44.5	41.0
		scaled	40.1	7.6	50.0	49.7	47.5	45.9	41.8	36.1
Latin Extension	114	HSC	45.4	4.0	50.0	50.0	49.0	48.0	47.0	44.0
		scaled	42.1	6.2	50.0	49.2	48.2	46.6	43.3	39.2
Macedonian	25	HSC	42.6	3.8	49.0					
		scaled	24.8	7.0	40.9					
Modern Greek Beginners	69	HSC	41.4	7.4	50.0	50.0	48.5	47.5	43.5	36.5
		scaled	25.0	13.0	50.0	50.0	41.6	36.2	25.5	13.1
Modern Greek Continuers	97	HSC	42.2	3.8	49.0	49.0	47.5	45.5	42.5	39.0
		scaled	26.5	11.0	49.3	49.3	43.5	36.3	25.1	17.3
Modern Greek Extension	51	HSC	43.7	5.3	50.0	50.0	49.0	48.0	45.0	41.0
		scaled	30.6	9.8	50.0	50.0	42.0	38.7	29.6	23.8
Modern Hebrew	46	HSC	45.4	2.3	49.5	49.5	48.5	47.0	45.5	44.0
		scaled	34.8	7.0	50.0	50.0	45.2	38.4	34.6	30.3
Persian	30	HSC	42.8	4.6	48.5					
		scaled	16.8	10.9	39.5					
Polish	20	HSC	46.1	3.2	49.5					
		scaled	27.8	13.2	50.0					
Portuguese	13	HSC	40.4	4.4	46.0					
		scaled	19.2	12.4	43.2					
Punjabi	22	HSC	37.0	6.2	46.5					
		scaled	23.0	11.5	48.0					
Russian	41	HSC	43.8	4.6	49.0	49.0	48.5	47.5	45.0	41.5
		scaled	24.0	11.3	44.5	44.5	39.5	33.9	24.0	15.3

**Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course**

Course	Number	Type of mark	Mean	SD	Max. mark	P99	P90	P75	P50	P25
Serbian	19	HSC	43.3	2.1	48.0					
		scaled	24.5	7.0	40.5					
Spanish Beginners	147	HSC	38.5	5.5	49.0	48.0	45.0	42.5	38.5	35.0
		scaled	24.7	11.6	50.0	46.9	40.1	33.7	24.1	15.6
Spanish Continuers	147	HSC	38.8	4.8	49.0	48.5	44.0	42.5	39.5	35.0
		scaled	25.7	11.2	50.0	49.1	40.0	33.8	26.7	17.3
Spanish Extension	42	HSC	39.9	5.2	49.0	49.0	46.0	43.0	40.0	36.0
		scaled	31.1	7.6	49.7	49.7	40.5	35.8	30.8	24.8
Turkish	63	HSC	40.9	4.4	47.5	47.5	45.5	44.5	42.5	37.0
		scaled	19.7	12.0	47.7	47.7	34.3	28.7	21.6	6.8
Vietnamese	125	HSC	39.4	4.1	46.0	45.5	44.0	42.5	40.0	37.0
		scaled	20.8	11.7	48.4	47.1	38.2	29.3	19.6	11.3
Automotive Exam	333	HSC	35.2	4.8	48.0	46.0	41.0	38.5	35.5	32.0
		scaled	13.1	9.2	35.7	33.5	27.3	20.4	10.6	5.4
Business Services Exam	1,021	HSC	36.2	5.6	48.5	47.0	43.0	40.5	36.5	32.5
		scaled	17.5	10.2	42.4	41.1	32.5	25.0	16.4	9.1
Construction Exam	1,491	HSC	36.6	4.0	48.0	45.0	41.5	39.0	37.0	34.0
		scaled	15.5	9.4	38.6	36.0	29.6	22.4	14.8	7.9
Electrotechnology Exam	264	HSC	35.4	3.9	48.0	46.0	40.0	38.0	35.5	33.0
		scaled	17.1	8.5	38.0	37.3	28.6	22.9	16.9	10.5
Entertainment Industry Exam	846	HSC	38.1	4.9	47.0	46.5	43.5	41.5	38.5	36.0
		scaled	21.2	9.7	44.6	42.9	34.0	28.1	20.4	14.3
Financial Services Exam	111	HSC	36.9	5.1	49.0	46.5	43.5	40.5	36.5	34.0
		scaled	27.4	9.1	49.0	45.4	39.9	34.1	25.6	21.1
Hospitality Exam	4,916	HSC	36.2	6.2	48.5	46.5	43.0	40.5	37.0	33.0
		scaled	19.0	9.9	43.3	41.1	32.6	26.4	18.4	11.5
Human Services Exam	654	HSC	35.9	4.4	46.5	45.0	41.5	39.5	36.0	32.5
		scaled	18.3	9.8	42.2	40.9	33.0	26.2	17.0	10.0
Information & Digital Technology Exam	806	HSC	36.5	4.4	47.0	45.0	42.0	39.0	37.0	34.0
		scaled	18.2	9.9	42.4	40.3	33.1	24.8	16.8	10.3
Metal & Engineering Exam	492	HSC	34.5	5.1	44.5	44.0	40.5	38.0	34.5	32.0
		scaled	14.4	9.6	38.0	37.7	28.6	21.2	12.2	6.8
Primary Industries Exam	556	HSC	37.1	4.2	48.0	46.5	43.0	40.0	37.0	34.0
		scaled	16.9	9.5	40.0	38.4	31.3	24.0	15.3	9.1
Retail Services Exam	899	HSC	36.4	4.4	47.5	44.0	41.5	39.5	37.0	34.0
		scaled	16.6	10.2	41.6	38.3	31.2	24.9	16.3	8.2
Tourism Travel & Events Exam	355	HSC	34.7	5.1	47.0	44.0	41.0	38.0	35.5	31.5
		scaled	20.3	8.9	42.1	39.0	32.6	26.0	20.6	13.4