

STUDENT SCORE DISTRIBUTIONS

Introduction

The May 2011 College Board AP Exams were taken by 1,973,545 students from 18,430 secondary schools. College and high school teachers, called Readers, who are familiar with college-level course demands, scored the free-response sections from the 3,456,020 examinations taken. Computers at ETS® scored the multiple-choice sections.

The Chief Readers, relying on their subject-matter expertise, statistical equating data, data from comparability studies, and historical trends, determine the score-setting thresholds for the 5-point AP score scale: 5 = extremely well qualified, 4 = well qualified, 3 = qualified, 2 = possibly qualified, 1 = no recommendation. Listed below are the Chief Readers who directed the scoring of the free-response sections of the May 2011 exams.

Summary Table of Students' Scores

The scores earned on the May 2011 AP Examinations are summarized in the form of score distributions shown in the table on the next two pages. For each exam, the table provides the number and percentages of students receiving each score, the total number of students, and the mean and standard deviation of scores.

Additional information

Released exam questions, scoring guidelines, and sample student responses for the free-response sections of AP Exams are available at AP Central® (apcentral.collegeboard.com). Entire released exams, with multiple-choice answer keys are available for purchase at store.collegeboard.com.

CHIEF READERS

Art History	Bob Nauman	University of Colorado - Boulder
Biology	John Lepri	University of North Carolina - Greensboro
Calculus	Michael Boardman	Pacific University
Chemistry	Larry Funck	Wheaton College
Chinese Language	Tao-chung Yao	University of Hawaii - Manoa
Computer Science	Jody Paul	Metropolitan State College of Denver
Economics - Micro	David Anderson	Centre College
English Lang. & Comp.	David Jolliffe	University of Arkansas
English Lit. & Comp.	Susan Strehle	SUNY - Binghamton
Environmental Science	Arthur Samel	Bowling Green State University
European History	Jeffrey Hamilton	Baylor University
French	Irene d'Almeida	University of Arizona
German	Johanna Watzinger-Tharp	University of Utah
Government & Politics: Comparative	Jean Robinson	Indiana University - Bloomington
Government & Politics: United States	Gary Copeland	University of Oklahoma
Human Geography	David Lanegran	Macalester College
Japanese Language	Sufumi So	George Mason University
Latin	Mary Pendergraft	Wake Forest University
Music	Teresa Shelton Reed	University of Tulsa
Physics	Jiang Yu	Fitchburg State College
Psychology	Kenneth Keith	University of San Diego
Spanish Language	Gustavo Fares	Lawrence University
Spanish Literature	Hazel Gold	Emory University
Statistics	Allan Rossman	Cal Poly - San Luis Obispo
Studio Art	Herb Weaver	Bethany College
United States History	Ernie Freeberg	University of Tennessee
World History	Merry Wiesner-Hanks	University of Wisconsin - Milwaukee

STUDENT SCORE DISTRIBUTIONS*

AP Exams - May 2011

Exam Score	Art History		Biology		Calculus AB		Calculus BC		Calculus BC Calculus AB Subscore		Chemistry	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	2,701	12.1	34,758	18.8	54,555	21.4	40,546	47.6	46,910	55.1	20,883	17.0
4	4,830	21.6	30,507	16.5	41,830	16.4	13,557	15.9	15,270	17.9	22,582	18.4
3	5,913	26.5	28,023	15.2	47,151	18.5	14,251	16.7	11,278	13.2	23,953	19.5
2	4,235	19.0	26,951	14.6	27,273	10.7	5,040	5.9	4,195	4.9	17,947	14.6
1	4,632	20.8	64,258	34.8	84,548	33.1	11,800	13.9	7,541	8.9	37,286	30.4
Number of Students	22,311		184,497		255,357		85,194		85,194		122,651	
3 or Higher / %	13,444	58.0	93,288	50.6	143,536	56.2	68,354	80.2	73,458	86.2	67,418	55.0
Mean Score	2.85		2.70		2.82		3.77		4.05		2.77	
Standard Deviation	1.30		1.54		1.55		1.44		1.29		1.47	
Exam Score	Chinese Language (Total Group)		Chinese Language (Standard Group)**		Computer Science A		Economics - Macro		Economics - Micro		English Language	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	5,762	72.3	445	33.1	5,521	24.9	11,844	13.1	9,063	16.1	45,741	11.1
4	1,104	13.9	285	21.2	5,510	24.8	21,616	24.0	14,743	26.2	82,513	20.0
3	736	9.2	348	25.9	3,143	14.2	15,050	16.7	11,994	21.3	124,008	30.1
2	170	2.1	113	8.4	1,748	7.9	16,397	18.2	8,766	15.6	113,530	27.5
1	198	2.5	155	11.5	6,254	28.2	25,227	28.0	11,737	20.8	46,674	11.3
Number of Students	7,970		1,346		22,176		90,134		56,303		412,466	
3 or Higher / %	7,602	95.4	1,078	80.1	14,174	63.9	48,510	53.8	35,800	63.6	252,262	61.2
Mean Score	4.51		3.56		3.10		2.76		3.01		2.92	
Standard Deviation	0.93		1.33		1.56		1.42		1.38		1.17	
Exam Score	English Literature		Environmental Science		European History		French Language (Total Group)		French Language (Standard Group)**		German Language (Total Group)	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	30,982	8.4	8,853	8.9	11,382	10.6	2,751	13.3	1,075	7.0	1,224	23.4
4	65,566	17.8	24,591	24.8	20,120	18.7	3,317	16.1	2,110	13.7	1,024	19.6
3	113,964	31.0	15,422	15.6	38,154	35.5	5,980	29.0	4,670	30.4	1,236	23.6
2	117,934	32.1	24,592	24.9	12,440	11.6	4,214	20.4	3,611	23.5	1,034	19.8
1	39,516	10.7	25,501	25.8	25,296	23.6	4,375	21.2	3,886	25.3	714	13.6
Number of Students	367,962		98,959		107,392		20,637		15,352		5,232	
3 or Higher / %	210,512	57.2	48,866	49.4	69,656	64.9	12,048	58.4	7,855	51.2	3,484	66.6
Mean Score	2.81		2.66		2.81		2.80		2.54		3.19	
Standard Deviation	1.11		1.33		1.28		1.31		1.20		1.36	
Exam Score	German Language (Standard Group)**		Government & Politics Comparative		Government & Politics United States		Human Geography		Japanese Language (Total Group)		Japanese Language (Standard Group)**	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	292	8.4	2,985	17.4	28,505	12.6	9,775	11.7	977	43.9	231	19.7
4	703	20.2	3,740	21.9	31,426	13.9	15,231	18.2	251	11.3	150	12.8
3	993	28.5	3,483	20.4	56,610	25.1	17,793	21.2	473	21.2	353	30.0
2	873	25.1	3,661	21.4	54,778	24.3	14,647	17.5	166	7.5	137	11.7
1	621	17.8	3,242	18.9	54,518	24.1	26,395	31.5	359	16.1	304	25.9
Number of Students	3,482		17,111		225,837		83,841		2,226		1,175	
3 or Higher / %	1,988	57.1	10,208	59.7	116,541	51.6	42,799	51.0	1,701	76.4	734	62.5
Mean Score	2.76		2.97		2.67		2.61		3.59		2.89	
Standard Deviation	1.20		1.37		1.32		1.39		1.50		1.43	

* This table reflects 3,456,020 AP Exams taken by 1,973,545 students from 18,340 secondary schools

** Standard students generally receive most of their foreign language training in U.S. schools. They did not indicate on their answer sheet that they regularly speak or hear the foreign language of the exam, or that they have lived for one month or more in a country where the language is spoken.

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AP Exams - May 2011 (continued)

Exam Score	Latin Vergil		Music Theory		Music Theory Aural Subscore		Music Theory Nonaural Subscore		Physics B		Physics C E&M	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	1,223	20.2	3,166	17.5	3,095	17.1	3,056	16.9	12,369	16.4	4,862	32.0
4	1,091	18.1	3,174	17.5	3,229	17.8	3,278	18.1	14,522	19.2	3,715	24.5
3	1,547	25.6	4,392	24.2	4,458	24.6	4,285	23.6	19,598	25.9	2,137	14.1
2	1,104	18.3	4,847	26.7	4,672	25.8	4,843	26.7	13,065	17.3	2,690	17.7
1	1,079	17.9	2,545	14.0	2,670	14.7	2,662	14.7	16,094	21.3	1,781	11.7
Number of Students	6,044		18,124		18,124		18,124		75,648		15,185	
3 or Higher / %	3,861	63.9	10,732	59.2	10,782	59.5	10,619	58.6	46,489	61.5	10,714	70.6
Mean Score	3.05		2.98		2.97		2.96		2.92		3.47	
Standard Deviation	1.37		1.30		1.31		1.31		1.37		1.40	

Exam Score	Physics C Mechanics		Psychology		Spanish Language (Total Group)		Spanish Language (Standard Group)**		Spanish Literature		Statistics	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	9,334	26.5	39,802	20.1	27,229	22.2	5,664	13.0	2,099	11.6	17,753	12.4
4	8,547	24.3	51,971	26.3	31,578	25.7	9,436	21.6	3,755	20.7	30,542	21.4
3	7,802	22.2	39,157	19.8	25,979	21.1	9,569	21.9	5,238	28.9	35,786	25.0
2	4,991	14.2	25,531	12.9	19,837	16.1	8,749	20.0	2,881	15.9	25,188	17.6
1	4,492	12.8	41,258	20.9	18,302	14.9	10,231	23.4	4,130	22.8	33,641	23.5
Number of Students	35,166		197,719		122,925		43,649		18,103		142,910	
3 or Higher / %	25,683	73.0	130,930	66.2	84,786	69.0	24,669	56.5	11,092	61.3	84,081	58.8
Mean Score	3.38		3.12		3.24		2.81		2.82		2.82	
Standard Deviation	1.35		1.42		1.36		1.35		1.31		1.34	

Exam Score	Studio Art Drawing		Studio Art 2-D Design		Studio Art 3-D Design		United States History		World History	
	N	% At	N	% At	N	% At	N	% At	N	% At
5	2,058	12.7	2,639	12.1	343	10.1	44,883	11.1	17,855	9.5
4	2,848	17.5	5,576	25.6	615	18.1	84,479	20.8	30,065	16.0
3	6,755	41.5	7,523	34.6	1,138	33.4	85,131	21.0	43,332	23.0
2	3,775	23.2	5,131	23.6	1,075	31.6	108,249	26.7	48,101	25.5
1	830	5.1	896	4.1	235	6.9	83,344	20.5	49,064	26.0
Number of Students	16,266		21,765		3,406		406,086		188,417	
3 or Higher / %	11,661	71.7	15,738	72.3	2,096	61.5	214,493	52.8	91,252	48.4
Mean Score	3.09		3.18		2.93		2.75		2.57	
Standard Deviation	1.05		1.05		1.08		1.29		1.29	

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