

# STUDENT SCORE DISTRIBUTIONS

## Introduction

The May 2014 College Board AP Exams were taken by 2,342,528 students from 19,493 secondary schools. College and high school teachers, called Readers, who are familiar with college-level course demands, scored the free-response sections from the 4,176,200 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 2014 exams.

## Summary Table of Students' Scores

The scores earned on the May 2014 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](http://apcentral.collegeboard.com)). Entire released exams, with multiple-choice answer keys are available for purchase at [store.collegeboard.com](http://store.collegeboard.com).

## CHIEF READERS

Art History	Bob Nauman	University of Colorado - Boulder
Biology	Domenic Castignetti	Loyola University of Chicago
Calculus	Stephen Kokoska	Bloomsburg University
Chemistry	Roger Kugel	Saint Mary's University of Minnesota
Chinese Language	Telee Richard Chi	University of Utah
Computer Science	Elizabeth Johnson	Xavier University
Economics - Micro	Pamela Schmitt	United States Naval Academy
Economics – Macro	Arthur Raymond	Muhlenberg College
English Lang. & Comp.	Mary Trachsel	University of Iowa
English Lit. & Comp.	Warren Carson	University of South Carolina - Upstate
Environmental Science	Alan McIntosh	University of Vermont
European History	Paul Deslandes	University of Vermont
French Language	Pascal Ifri	Washington University
German Language	Jennifer Redmann	Franklin and Marshall College
Government & Politics: Comparative	Glenn Hastedt	James Madison University
Government & Politics: United States	James Riddlesperger	Texas Christian University
Human Geography	Donald Zeigler	Old Dominion University
Italian Language	Giuseppe Cavatorta	University of Arizona
Japanese Language	Sufumi So	George Mason University
Latin	Robert Cape	Austin College
Music	Teresa Shelton Reed	University of Tulsa
Physics	Peter Sheldon	Randolph College
Psychology	Elizabeth Hammer	Xavier University of Louisiana
Spanish Language	Jeffrey Reeder	Sonoma State University
Spanish Literature	Eduardo Cabrera	Emory University
Statistics	Allan Rossman	Cal Poly - San Luis Obispo
Studio Art	Herb Weaver	Georgia Gwinnett College
United States History	Jonathan Chu	University of Massachusetts
World History	Dean Ferguson	Texas A & M University

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## AP Exams - May 2014

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	2,808	12.1	14,099	6.6	72,332	24.6	54,214	48.4	51,341	55.1	14,991	10.1
4	4,709	20.3	47,765	22.4	48,873	16.6	18,481	16.5	15,475	16.6	25,033	16.9
3	6,312	27.2	75,010	35.2	51,950	17.7	18,173	16.2	12,022	12.9	38,402	25.9
2	4,348	18.7	57,815	27.1	31,340	10.7	5,982	5.3	5,993	6.4	38,325	25.8
1	5,036	21.7	18,605	8.7	89,577	30.5	15,263	13.6	8,349	9.0	31,803	21.4
Number of Students	23,213		213,294		294,072		112,463		112,463		148,554	
3 or Higher / %	13,829	59.6	136,874	64.2	173,155	58.9	90,868	81.1	78,838	84.6	78,426	52.8
Mean Score	2.82		2.91		2.94		3.81		4.02		2.68	
Standard Deviation	1.31		1.05		1.57		1.43		1.32		1.26	
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	7,348	68.5	455	24.6	8,367	21.3	18,841	16.1	11,794	15.9	48,308	9.6
4	1,543	14.4	316	17.1	9,091	23.1	27,236	23.2	21,424	28.9	90,245	17.9
3	1,247	11.6	604	32.6	6,588	16.8	21,700	18.5	15,340	20.7	143,390	28.4
2	301	2.8	240	13.0	3,016	7.7	20,496	17.5	11,498	15.5	152,063	30.1
1	289	2.7	235	12.7	12,216	31.1	28,936	24.7	13,993	18.9	71,238	14.1
Number of Students	10,728		1,850		39,278		117,209		74,049		505,244	
3 or Higher / %	10,138	94.5	1,375	74.3	24,046	61.2	67,777	57.8	48,558	65.6	281,943	55.8
Mean Score	4.43		3.28		2.96		2.89		3.07		2.79	
Standard Deviation	0.98		1.31		1.55		1.42		1.35		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	30,422	7.7	10,841	8.3	9,540	8.6	3,904	18.4	1,964	12.4	1,181	23.1
4	70,602	17.8	30,797	23.6	18,605	16.9	5,563	26.2	4,031	25.4	1,182	23.1
3	117,748	29.6	19,994	15.3	37,489	34.0	7,127	33.5	5,896	37.2	1,383	27.1
2	131,210	33.0	33,272	25.5	12,963	11.8	3,646	17.1	3,120	19.7	946	18.5
1	47,495	11.9	35,417	27.2	31,700	28.7	1,028	4.8	849	5.4	419	8.2
Number of Students	397,477		130,321		110,297		21,268		15,860		5,111	
3 or Higher / %	218,772	55.0	61,632	47.3	65,634	59.5	16,594	78.0	11,891	75.0	3,746	73.3
Mean Score	2.76		2.6		2.65		3.36		3.20		3.34	
Standard Deviation	1.11		1.32		1.29		1.11		1.06		1.24	
Exam Score	German Language (Standard Group)**		Government & Politics Comparative		Government & Politics United States		Human Geography		Italian Language (Total Group)		Italian Language (Standard Group)**	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	319	9.7	4,004	19.7	32,140	11.9	14,995	11.0	482	20.7	138	8.2
4	777	23.5	4,817	23.7	33,755	12.5	27,225	20.0	481	20.6	362	21.4
3	1,090	33.0	3,802	18.7	71,566	26.4	28,691	21.0	660	28.3	558	33.1
2	767	23.2	4,467	21.9	66,900	24.7	25,105	18.4	513	22.0	462	27.4
1	349	10.6	3,271	16.1	66,682	24.6	40,432	29.6	195	8.4	168	10.0
Number of Students	3,302		20,361		271,043		136,448		2,331		1,688	
3 or Higher / %	2,186	66.2	12,623	62.0	137,461	50.7	70,911	52.0	1,623	69.6	1,058	62.7
Mean Score	2.98		3.09		2.62		2.64		3.23		2.91	
Standard Deviation	1.13		1.37		1.30		1.37		1.24		1.10	

\* This table reflects 4,176,200 AP Exams taken by 2,342,528 students from 19,493 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 2014 (continued)

Exam Score	Japanese Language (Total Group)		Japanese Language (Standard Group)**		Latin		Music Theory		Music Theory Aural Subscore		Music Theory Nonaural Subscore	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	998	43.2	203	17.2	866	13.2	3,499	19.8	3,459	20.1	3,260	18.9
4	243	10.5	136	11.5	1,468	22.4	3,104	17.5	2,951	17.1	3,168	18.4
3	512	22.2	356	30.2	1,973	30.2	4,502	25.4	4,531	26.3	4,469	25.9
2	161	7.0	134	11.4	1,572	24.0	4,282	24.2	4,159	24.1	4,180	24.2
1	397	17.2	349	29.6	663	10.1	2,329	13.1	2,147	12.4	2,170	12.6
Number of Students	2,311		1,178		6,542		17,856		17,856		17,856	
3 or Higher / %	1,753	75.9	695	59.0	4,307	65.8	11,105	62.7	10,941	63.4	10,897	63.2
Mean Score	3.56		2.75		3.05		3.07		3.08		3.07	
Standard Deviation	1.51		1.43		1.18		1.31		1.31		1.30	

  

Exam Score	Physics B		Physics C E&M		Physics C Mechanics		Psychology		Spanish Language (Total Group)		Spanish Language (Standard Group)**	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	14,759	15.8	6,946	33.5	15,244	32.4	48,673	18.7	33,334	24.6	7,705	18.5
4	17,316	18.5	5,213	25.1	12,019	25.6	69,785	26.9	47,187	34.9	13,829	33.2
3	24,753	26.5	2,538	12.2	8,769	18.7	51,810	19.9	40,386	29.8	13,697	32.9
2	15,898	17.0	3,650	17.6	5,964	12.7	35,133	13.5	12,411	9.2	5,233	12.6
1	20,848	22.3	2,418	11.6	5,004	10.6	54,388	20.9	2,023	1.5	1,163	2.8
Number of Students	93,574		20,765		47,000		259,789		135,341		41,627	
3 or Higher / %	56,828	60.7	14,697	70.8	36,032	76.7	170,268	65.5	120,907	89.3	35,231	84.6
Mean Score	2.89		3.51		3.56		3.09		3.72		3.52	
Standard Deviation	1.37		1.40		1.34		1.41		0.98		1.02	

  

Exam Score	Spanish Literature (Total Group)		Statistics		Studio Art Drawing		Studio Art 2-D Design		Studio Art 3-D Design		United States History	
	N	% At	N	% At	N	% At	N	% At	N	% At	N	% At
5	1,989	9.9	26,265	14.3	2,707	16.0	3,739	13.9	470	11.0	50,832	11.0
4	5,137	25.5	38,512	20.9	3,537	20.9	7,901	29.5	836	19.6	98,579	21.3
3	7,857	39.1	45,052	24.5	6,868	40.6	9,399	35.1	1,566	36.8	93,170	20.1
2	3,918	19.5	32,748	17.8	3,222	19.0	4,910	18.3	1,180	27.7	129,553	28.0
1	1,217	6.0	41,596	22.6	594	3.5	862	3.2	204	4.8	90,632	19.6
Number of Students	20,118		184,173		16,928		26,811		4,256		462,766	
3 or Higher / %	14,983	74.5	109,829	59.6	13,112	77.5	21,039	78.5	2,872	67.5	242,581	52.4
Mean Score	3.14		2.86		3.27		3.33		3.04		2.76	
Standard Deviation	1.03		1.36		1.05		1.03		1.05		1.29	

  

Exam Score	World History	
	N	% At
5	16,330	6.6
4	39,296	16.0
3	78,262	31.9
2	68,344	27.8
1	43,467	17.7
Number of Students	245,699	
3 or Higher / %	133,888	54.5
Mean Score	2.66	
Standard Deviation	1.14	

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