ENROLLMENT PROJECTIONS

UNIVERSITY OF HAWAI‘I AT MĀNOA

FALL 2006 TO FALL 2012

Institutional Research Office

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INTRODUCTION

This report presents information on historical and projected headcount enrollment at the University of Hawaiʻi at Mānoa. The projections are statistical extrapolations of current trends in enrollment. They do not set enrollment targets and, in general, do not take into consideration planned or potential changes in University policies or procedures. They should be considered as an extension into the future of current enrollment trends, and may be used as a foundation for further work in planning and budgeting.

The enrollment projections are based upon unduplicated headcounts of students enrolled in credit courses. Included are students enrolled in regular day courses, as well as students enrolled in continuing education credit courses offered by Outreach College. Special students (auditors, concurrent students, and early admits) are also included for all years shown, both historical and projected.

Historical data are included in the figures and tables to facilitate comparison and analysis. They were extracted from student enrollment, academic crossover and course registration data files. Information on Hawai'i public high school seniors by school district was provided by the Department of Education for the State of Hawaiʻi. Information on Hawaiʻi public and private high school graduates were obtained from the Western Interstate Commission for Higher Education (WICHE).

METHODOLOGY

The projections are broken down into three broad groups of students: classified undergraduate, classified graduate and unclassified. Classified undergraduate enrollment is further sub-divided by registration status: first-time, transfer, returning and continuing. Within each registration status category, counts are shown by education level. Classified graduate enrollment is further sub-divided by degree objective. Unclassified enrollment is divided by academic level (undergraduate and graduate). This projection report offers three projection series - high, middle and low. The values in the separate series were produced by varying the input values used in the projection model. Otherwise, the same general methodology was employed for all three series.

First-time freshmen are sub-divided by the sector and geographic location of the high school attended. Each category is forecast separately: direct entrants from Hawaiʻi public high schools, direct entrants from Hawaiʻi private high schools, freshmen from the U.S. mainland, freshmen from foreign countries (including U.S. related areas) and other first-time freshmen. Direct entrants are students from Hawaiʻi public and private high schools who entered UH Mānoa in the fall semester immediately following graduation from high school. These students represent the traditional core group of first-time freshmen.

The enrollment projections of **direct public entrants** are based upon the forecast of public high school seniors provided by the Hawai‘i Department of Education (see Appendix A). Historical ratios of direct public entrants to public high school senior enrollment are calculated by school district. Enrollment for each year is projected by applying averages of these ratios (by district) to the annual DOE senior enrollment forecast (ending in June of each year). The DOE forecast used in these projections was updated in September 2005.

The projection of **direct private entrants** relies upon the private high school graduate forecast for Hawai‘i published by the Western Interstate Commission for Higher Education (WICHE), most recently updated in December 2003 (see Appendix B). Historical ratios of direct private entrants to total Hawai‘i private high school graduates are first calculated. An average ratio is then applied to the WICHE annual private high school graduate forecast to yield the projected number of first-time freshmen from Hawai‘i private high schools.

First-time freshmen from the **U.S. mainland** have increased from 136 in Fall 1999 to 620 in Fall 2004, an increase of over 350%. However, the number declined somewhat in Fall 2005, so the period of rapid growth may have ended. Mainland first-time freshmen are forecast using annual growth rates. These growth rates allow for increases toward the end of the forecast period. First-Time freshmen from **foreign countries and U.S. related areas** have been set to constants for the low and middle series, and have been forecast using a growth trend, as measured from Fall 1998 to Fall 2005, for the high series. (U.S. related areas include U.S. territorial possessions, commonwealths and compact of free association member states.)

Other first-time freshmen include those who completed high school via the General Education Development (GED) examination and those who graduated from Hawai‘i high schools prior to the 2004-05 academic year. The numbers are both small in absolute terms and relatively stable in number and have been set to constants.

Classified undergraduate transfer enrollment is sub-divided by the geographic location of the previous college attended, with each category forecast separately: other campuses in the University of Hawai‘i system, Hawai‘i private colleges, U.S. mainland institutions, institutions in foreign countries (including U.S. related areas), and other transfers. Transfers from other **UH campuses** and **Hawai‘i private colleges**, as well as **other transfers** have been set to constants. Transfers from the **U.S. mainland** have grown substantially in recent years: from 447 in Fall 1999 to 960 in Fall 2004, an increase of over 110%. However, as with first-time freshmen, the number declined in Fall 2005, so the period of rapid growth may have ended. Mainland transfers have been forecast using growth rates, with the model allowing for increases in the later years of the forecast. Classified undergraduate transfers from **foreign countries and U.S. related areas** are forecast using constants for the low and middle series, and a trend, as measured from Fall 1989 to Fall 2005, for the high series. Breakout by educational level for all three series is made using the three-year average distribution ratios.

Classified undergraduate returning enrollment has been stable since Fall 2000 and is forecast using constants for all three projection series.

Classified undergraduate continuing enrollment is forecast using continuation rates. In general, a continuation rate is the ratio of continuing enrollment at a given education level to the previous fall semester's total enrollment at the next lower level. (For example, the sophomore continuation rate is the ratio of continuing sophomores to the previous year's total freshmen enrollment count.) In this report, freshmen are projected using the previous year's first-time freshmen, sophomores using the previous year's total freshmen, juniors using the previous year's sophomores, and seniors using the sum of the previous year's juniors and seniors. Average continuation rates are applied to the actual or projected total enrollment by education level to forecast the following year's continuing enrollment at the next higher level.

Classified graduate enrollment is sub-divided by degree objective, with each category forecast separately: master, doctorate, first-professional, post baccalaureate and graduate special. First-professional counts in **medicine** and **law**, as well as **post-baccalaureate** and **graduate special** enrollments, are set to constants. **Master and doctorate** enrollment, as well as first-professional enrollment in the School of Architecture **(ArchD)**, are forecast using annual growth rates. The growth rates are estimates, based upon information from campus administrators and other factors, such as the state of the economy (graduate enrollment is assumed to be negatively correlated with the economy).

Unclassified students are broken out by undergraduate / graduate. Beginning with the Fall 2006 projections report, an additional line item has been added to show students whose home-campus, as identified in Banner / ODS, is not UH Mānoa. For simplicity, the unclassified enrollments have been set to constants for all three series.

In addition to the high, middle and low series enrollment projections shown in Table 1, additional tables provide detail. **The data in all subsequent tables are based upon the middle projection series presented in Table 1.** Table 2 presents seven years of historical data with detailed forecasts by registration status and education level. Breakout by geographic origin is provided for first-time freshmen and classified undergraduate transfers. Table 3 presents headcount enrollment by college, broken out by lower division, upper division and graduate level. Student semester hours offered are shown in Table 4 and full-time equivalent (FTE) course enrollments are given in Table 5. Tables 3, 4 and 5 utilize Fall 2005 enrollment data plus the projected enrollments from 2006 to 2012 as input, then provide enrollment forecasts by college / school using the Fall 2005 proportions to distribute enrollment totals across subunits. Headcount enrollment by attendance status is provided in Table 6. Three-year average proportions have been used to divide the projected headcounts between full-time and part-time.

Appendix A shows historical and projected enrollments of Hawai‘i public high school seniors by geographic district through academic year 2011-12. The numbers shown in Appendix A are based upon information provided by the Hawai‘i Department of Education. This information has been adjusted to include special education seniors, whose numbers have been increasing in recent years. Appendix B gives forecasts of Hawai‘i public and private high school graduates through June 2018. This information was published by the Western Interstate Commission for Higher Education (WICHE) in December 2003.

SUMMARY AND CONCLUSION

Headcount enrollment at the University of Hawai‘i at Mānoa grew 0.5% in Fall 2005, to reach 20,644 students, a high level of enrollment not seen since the early 1980s (Table 2 and Figures 1 & 2). Since Fall 2000, headcount enrollment at UH Mānoa has increased 19.6%. However, since Fall 2002 the rate of growth has been slowing. Enrollment (middle series) is projected to decrease 1.4% in Fall 2006 to 20,350 students. Enrollment is likely to remain at or near 20,000 for the remainder of the forecast period. The high series forecast allows for slight enrollment growth in Fall 2006, to 20,663, with subsequent increase at a modest annual rate of 0.5% through Fall 2012. The low series provides for a 5.1% decline in Fall 2006, to 19,593, with further decline through Fall 2010 (Table 1).

Forecasting enrollment decline is unusual, if not unprecedented, in these projections. However, the recent tuition increases, which begin in Fall 2006, combined with a robust local economy with high employment, create an enrollment environment with a much higher downside than upside potential. Recent history supports this position. Subsequent to the round of tuition increases which began in Fall 1996, headcount enrollment declined 7.8% in Fall 1996 and then again for two fall semesters before bottoming out at just over 17,000 students. In all, from Fall 1995 to Fall 1998, headcount enrollment at UH Mānoa declined 14%. The current tuition schedule provides for increases which are both higher in absolute terms and sustained for a longer period of time than those which began in Fall 1996. Although this current round of tuition increases has not been accompanied by the negative publicity of the previous round, some measure of enrollment decline is probable.

In summary, increases in tuition costs, combined with a robust economy with high employment, will favor modest enrollment decline over the next few years, with recovery toward the end of the forecast period.

The rapid growth in enrollment realized since Fall 2000 has strained the ability of the campus to deliver services. Continued growth well beyond 20,000 students probably could not be sustained. Furthermore, much of that growth has been achieved through increases in the non-resident component of enrollment, which is already at or near the statutory limit of 30%. A period of zero growth or modest decline could afford an opportunity for the campus to build infrastructure and prepare for resumed growth, as well as lay the foundation for more effective enrollment management. Emphasis may shift from growing enrollments to better managing the mix of students on campus. Administrators should pay closer attention to the recruitment of Hawai‘i high school graduates, to bolster sagging going rates, as well as the provision of timely financial assistance to needy local students. Recruitment of non-residents should be targeted towards those who intend to complete their programs of study at the UH Mānoa campus. Timely delivery of appropriate intervention may help to curb attrition and improve graduation and retention rates.

We may be entering a period of transition for the University of Hawai‘i at Mānoa. Although the recent period of rapid enrollment increase may be coming to an end, enrollments are still at a historically high level. With a new administrative structure now largely in place and more effective coordination among the campuses of the system emerging, the University may look ahead to a very bright future.

Figure 1
Historical and Projected Headcount Enrollment

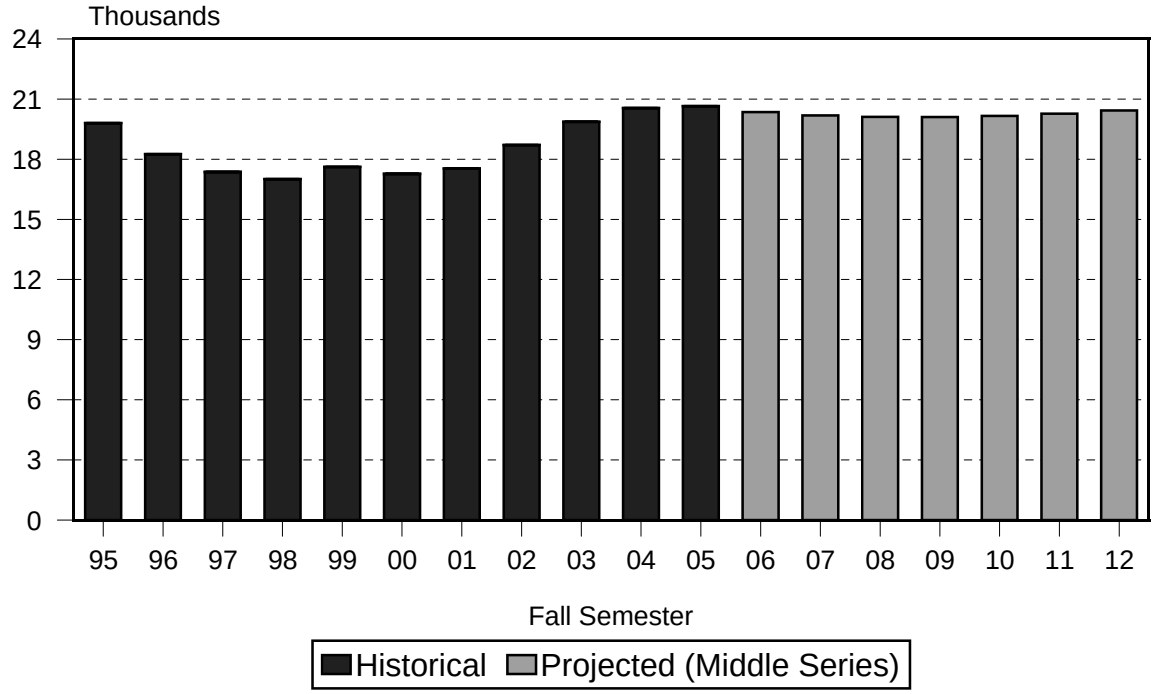

Figure 2
UH Mānoa Headcount Enrollment - 10 Year

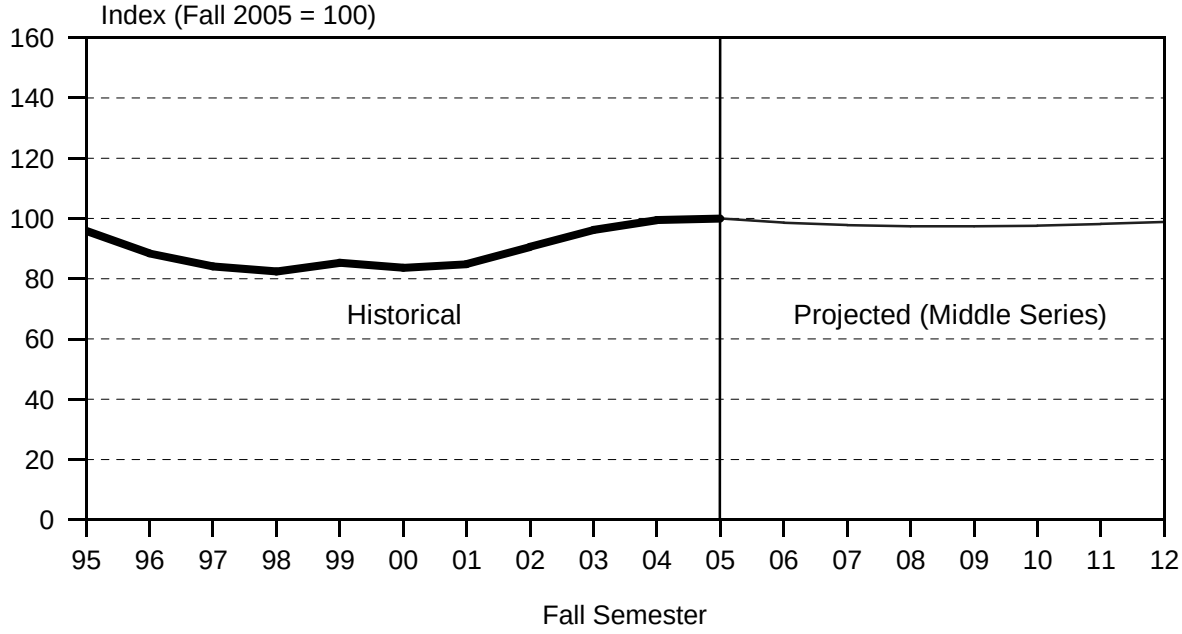

Figure 3
High, Middle and Low Projection Series

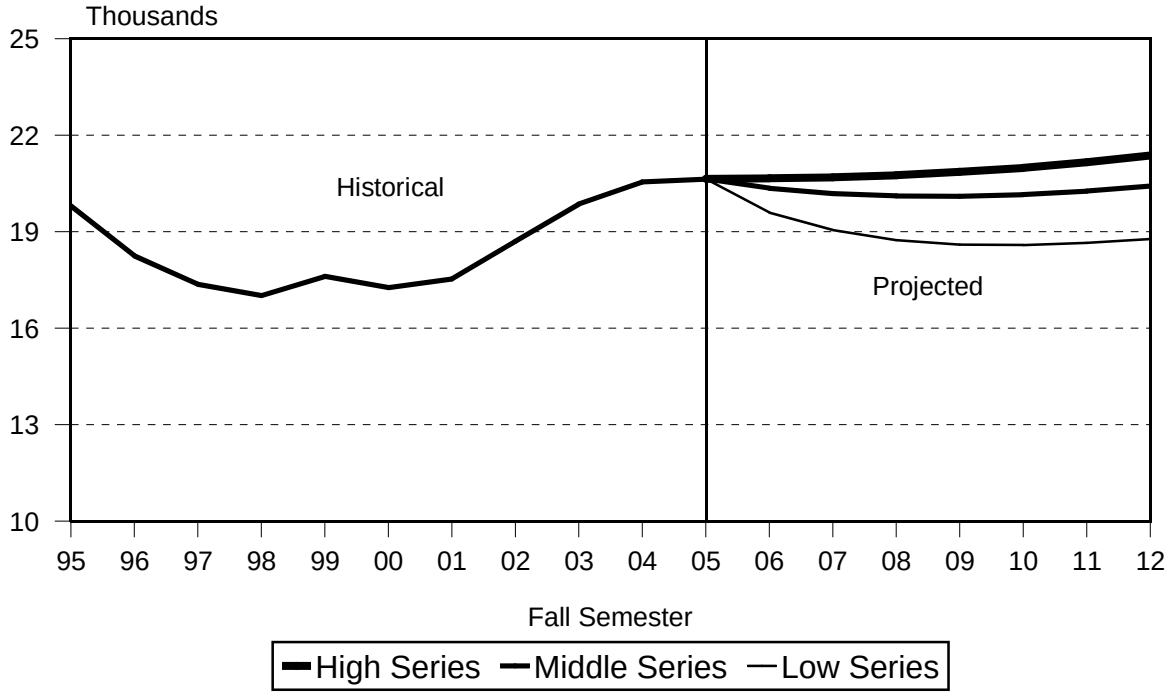

Figure 4
UH Mānoa Headcount Enrollment - Historical

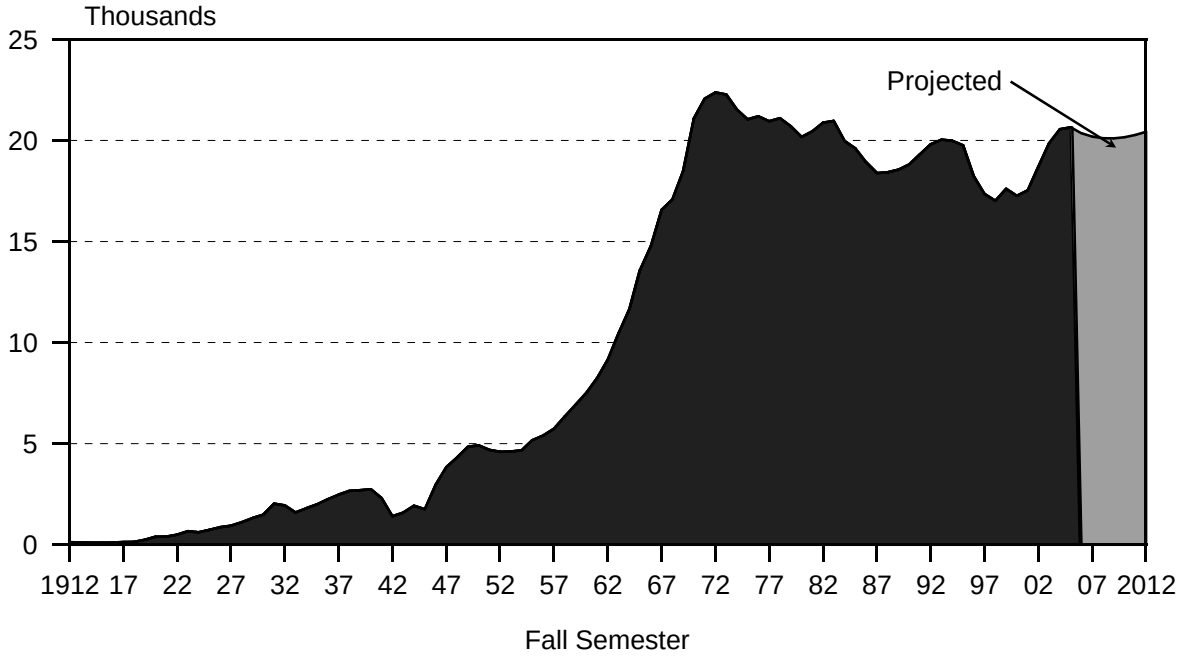

Figure 5
Direct Entrants from Hawai‘i High Schools

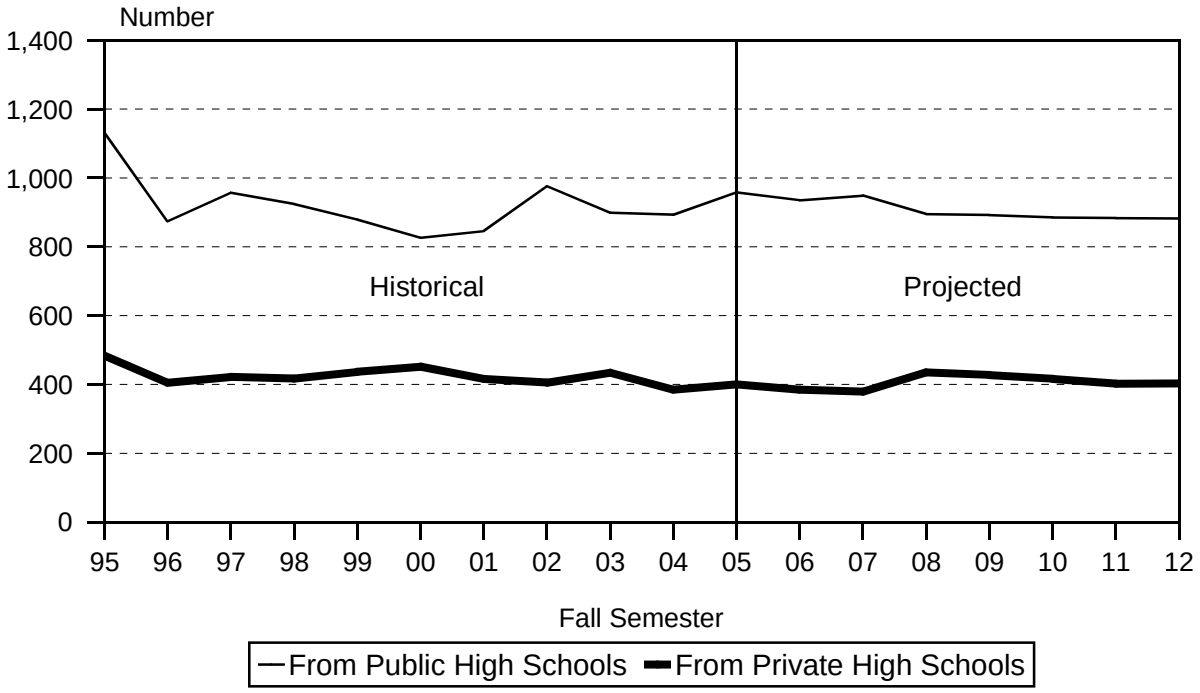

Figure 6
First-Time Freshmen From the U.S. Mainland

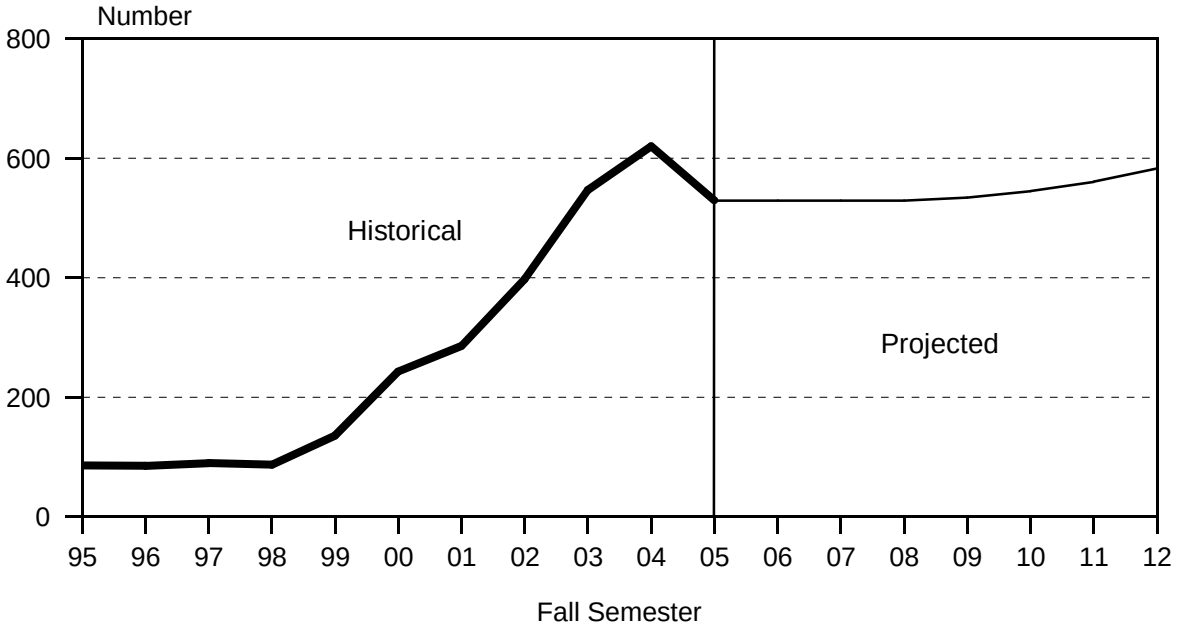

Figure 7
Undergraduate Transfers by Previous College Attended

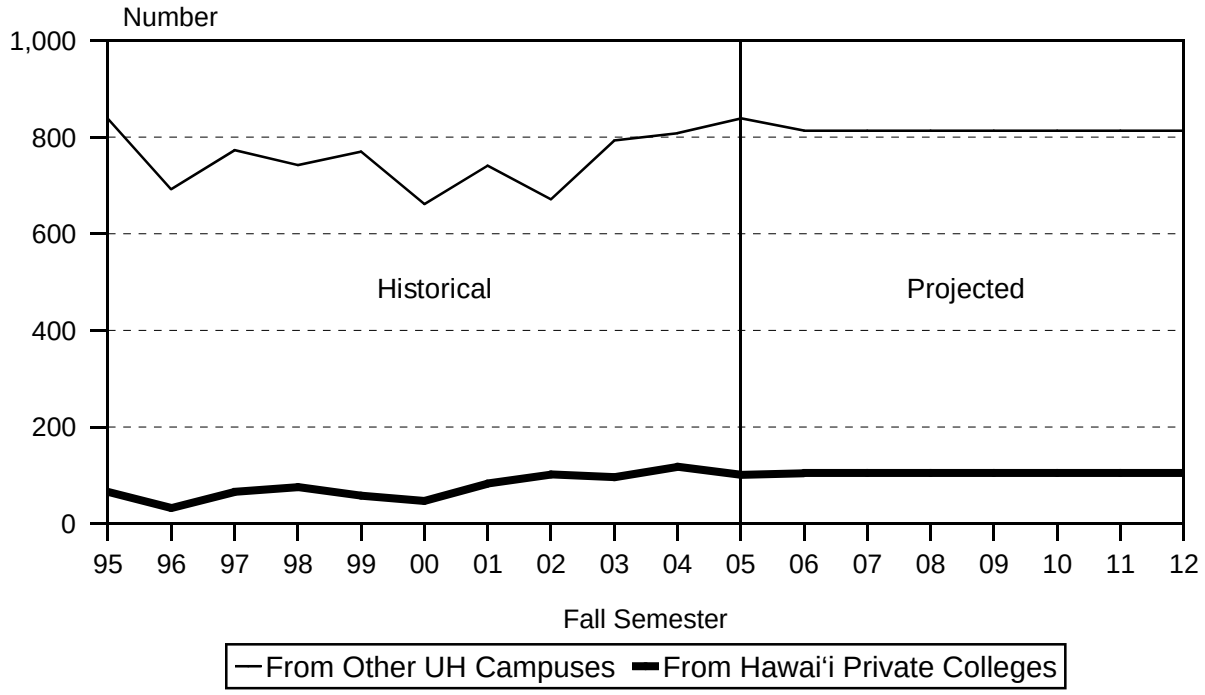

Figure 8
Undergraduate Transfers from the U.S. Mainland

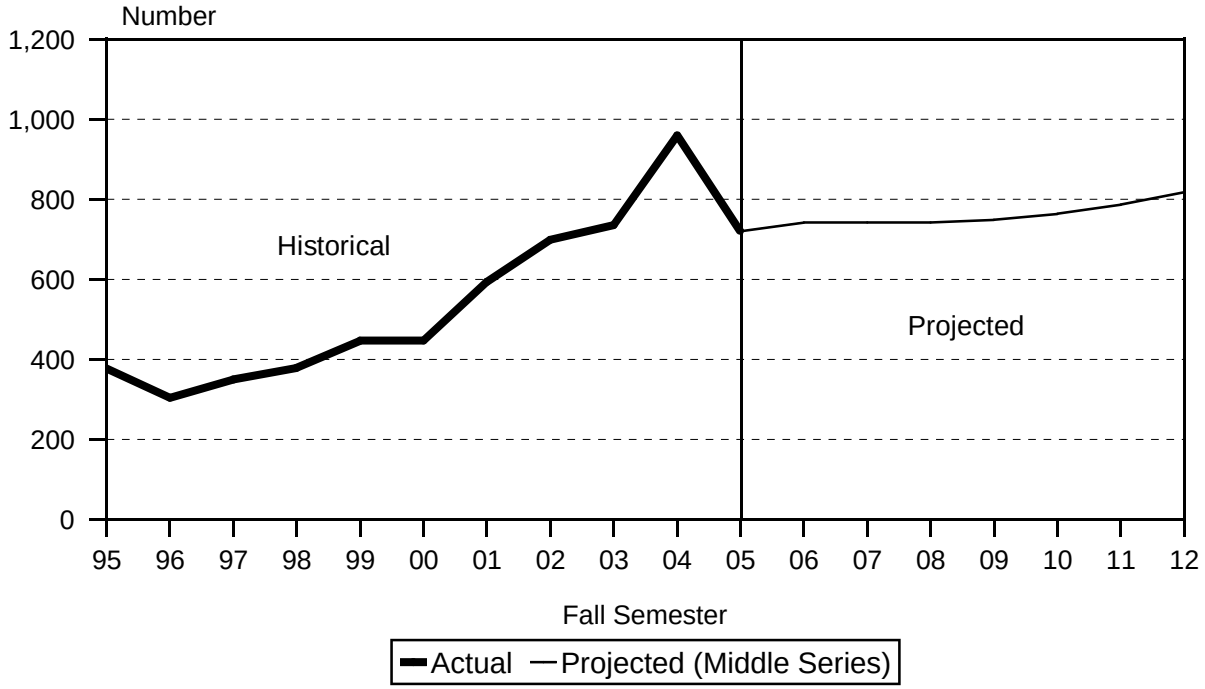

Figure 9
Classified Graduate Enrollment

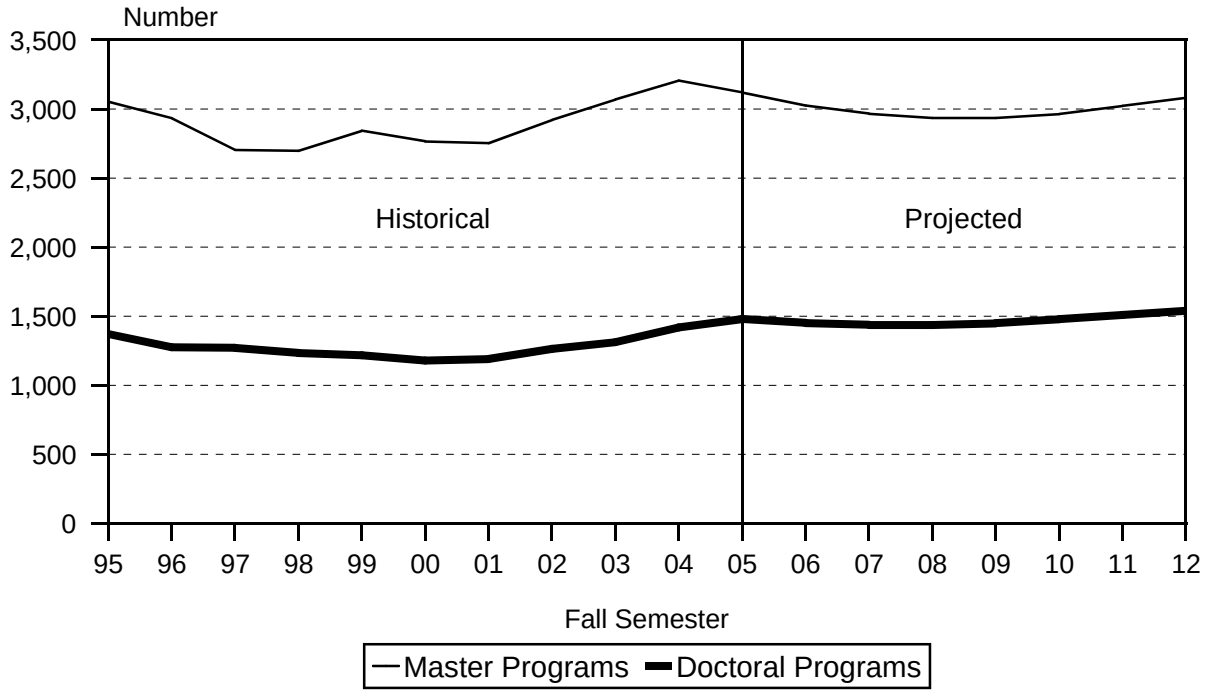

Figure 10
Enrollment in First-Professional Programs

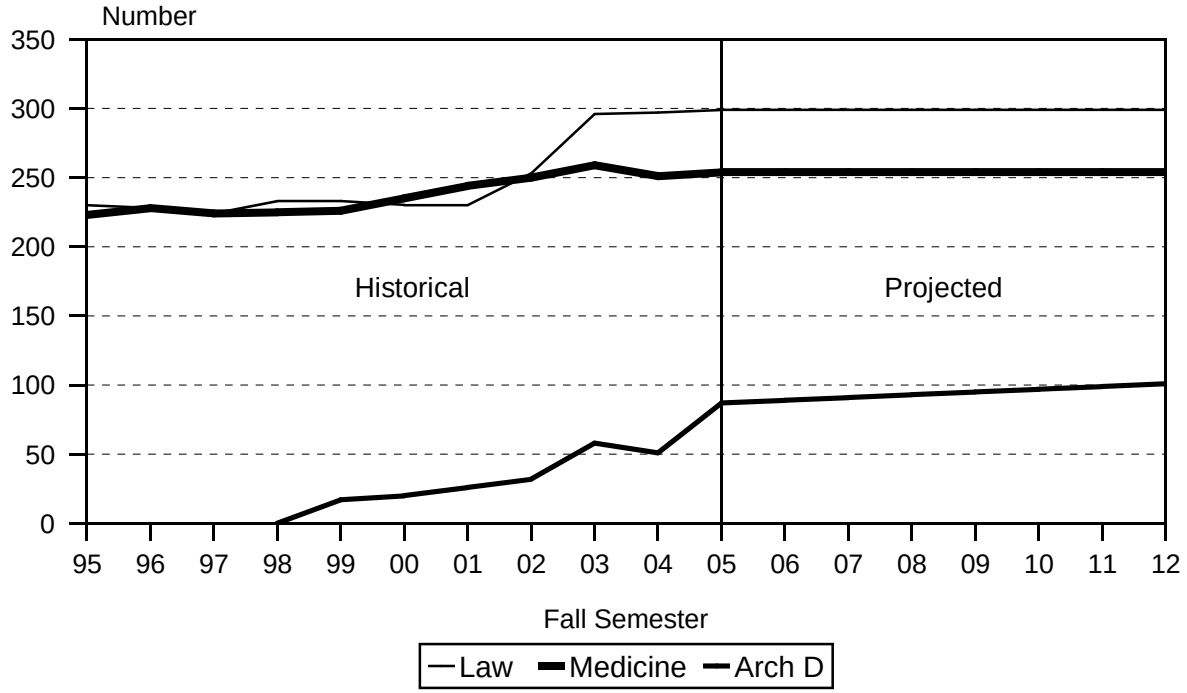

Figure 11
Classified Graduate Enrollment

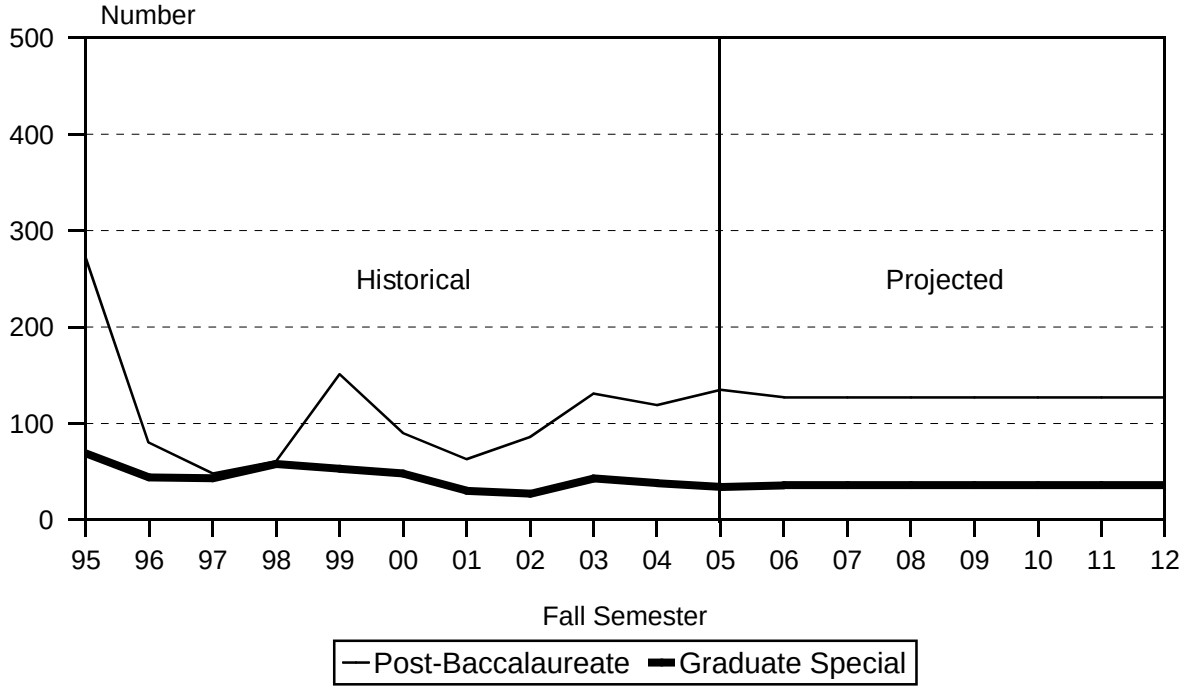

Figure 12
Enrollment of Unclassified Students

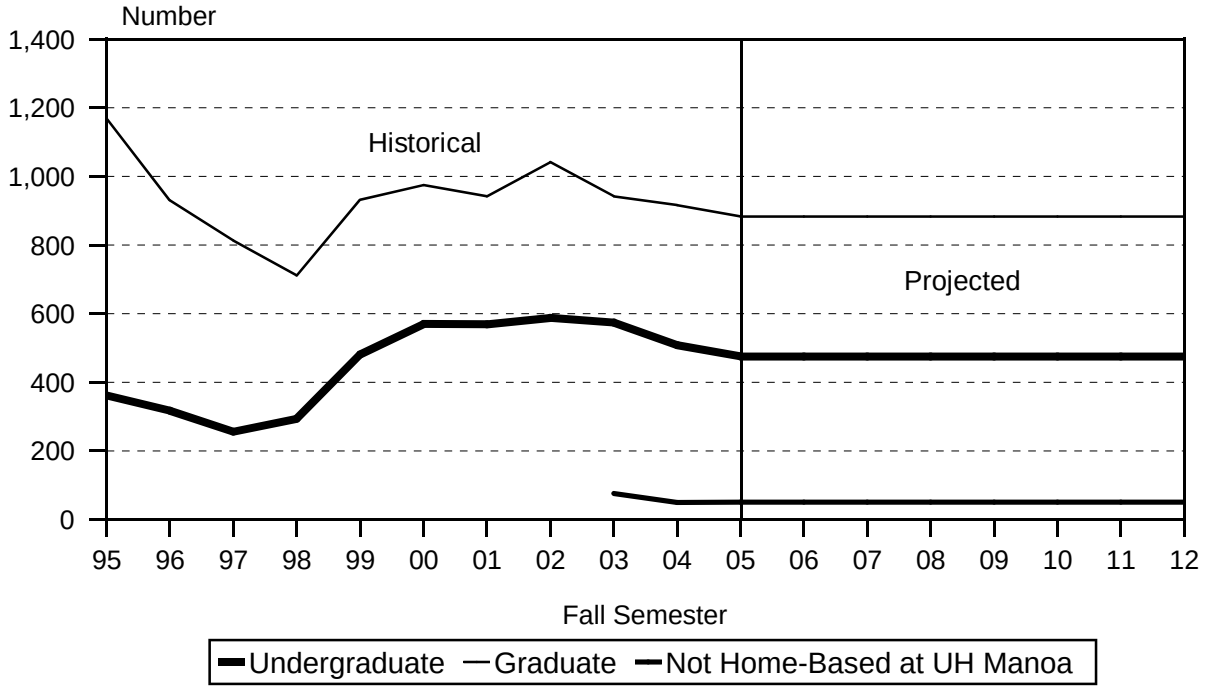

TABLE 1
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS
LOW, MIDDLE AND HIGH PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2005 TO FALL 2012

PROJECTION SERIES	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
HIGH SERIES TOTAL	20,644	20,663	20,692	20,756	20,863	20,988	21,160	21,375
Classified	19,235	19,220	19,249	19,313	19,420	19,545	19,717	19,932
Undergraduates	13,826	13,793	13,820	13,882	13,941	14,002	14,077	14,194
First-Time Freshmen	2,021	2,015	2,032	2,043	2,042	2,042	2,049	2,079
Transfer	1,804	1,826	1,831	1,836	1,850	1,871	1,901	1,939
Returning	284	284	284	284	284	284	284	284
Continuing	9,717	9,668	9,673	9,719	9,765	9,805	9,843	9,892
Graduates	5,409	5,427	5,429	5,431	5,479	5,543	5,640	5,738
Unclassified	1,409	1,443	1,443	1,443	1,443	1,443	1,443	1,443
Undergraduates	475	492	492	492	492	492	492	492
Graduates	883	900	900	900	900	900	900	900
Home-Based at Other UH	51	51	51	51	51	51	51	51
MIDDLE SERIES TOTAL 1/	20,644	20,350	20,186	20,109	20,102	20,158	20,268	20,424
Classified	19,235	18,941	18,777	18,700	18,693	18,749	18,859	19,015
Undergraduates	13,826	13,660	13,569	13,520	13,497	13,493	13,512	13,576
First-Time Freshmen	2,021	1,983	1,991	1,993	1,987	1,980	1,980	2,002
Transfer	1,804	1,770	1,770	1,770	1,777	1,792	1,815	1,846
Returning	284	279	279	279	279	279	279	279
Continuing	9,717	9,628	9,529	9,478	9,454	9,442	9,438	9,449
Graduates	5,409	5,281	5,208	5,180	5,196	5,256	5,347	5,439
Unclassified	1,409	1,409	1,409	1,409	1,409	1,409	1,409	1,409
Undergraduates	475	475	475	475	475	475	475	475
Graduates	883	883	883	883	883	883	883	883
Home-Based at Other UH	51	51	51	51	51	51	51	51
LOW SERIES TOTAL	20,644	19,593	19,053	18,739	18,600	18,584	18,653	18,784
Classified	19,235	18,184	17,644	17,330	17,191	17,175	17,244	17,375
Undergraduates	13,826	13,115	12,647	12,361	12,208	12,135	12,117	12,159
First-Time Freshmen	2,021	1,897	1,906	1,907	1,900	1,892	1,893	1,912
Transfer	1,804	1,689	1,689	1,689	1,696	1,711	1,733	1,764
Returning	284	265	265	265	265	265	265	265
Continuing	9,717	9,264	8,787	8,500	8,347	8,267	8,226	8,218
Graduates	5,409	5,069	4,997	4,969	4,983	5,040	5,127	5,216
Unclassified	1,409	1,409	1,409	1,409	1,409	1,409	1,409	1,409
Undergraduates	475	475	475	475	475	475	475	475
Graduates	883	883	883	883	883	883	883	883
Home-Based at Other UH	51	51	51	51	51	51	51	51

1/ The remaining tables in the report use the Middle Projection Series.

TABLE 2
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY REGISTRATION STATUS
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 1999 TO FALL 2012

	HISTORICAL							PROJECTED						
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Headcount 1/	17,612	17,263	17,532	18,706	19,863	20,549	20,644	20,350	20,186	20,109	20,102	20,158	20,268	20,424
Classified	16,199	15,718	16,021	17,076	18,271	19,075	19,235	18,941	18,777	18,700	18,693	18,749	18,859	19,015
Classified Undergraduates 2/	11,458	11,151	11,485	12,242	13,102	13,693	13,826	13,660	13,569	13,520	13,497	13,493	13,512	13,576
Freshmen	1,925	2,014	2,142	2,323	2,782	2,558	2,554	2,540	2,541	2,545	2,539	2,533	2,534	2,559
Sophomores	2,019	2,030	2,155	2,257	2,949	2,626	2,578	2,576	2,565	2,566	2,571	2,572	2,574	2,585
Juniors	2,761	2,669	2,834	3,071	3,908	3,475	3,689	3,608	3,605	3,594	3,599	3,610	3,621	3,637
Seniors	4,753	4,438	4,354	4,591	3,463	5,034	5,005	4,936	4,858	4,815	4,788	4,778	4,783	4,795
Entering Classified Undergraduates	3,276	3,127	3,486	3,701	4,002	4,266	4,109	4,032	4,040	4,042	4,043	4,051	4,074	4,127
First-Time Freshmen	1,529	1,607	1,650	1,877	1,996	2,019	2,021	1,983	1,991	1,993	1,987	1,980	1,980	2,002
Direct from HI Public High Schools	879	826	846	976	899	893	958	935	949	895	892	885	883	882
Direct from HI Private High Schools	437	452	416	405	434	385	400	385	379	435	427	416	402	403
U.S. Mainland	136	243	286	398	547	620	529	529	529	529	534	545	561	583
Foreign & U.S. Related Areas 3/	50	52	54	64	77	71	90	90	90	90	90	90	90	90
Other First-Time Freshmen 4/	27	34	48	34	39	50	44	44	44	44	44	44	44	44
Transfer	1,381	1,237	1,537	1,544	1,722	1,975	1,804	1,770	1,770	1,770	1,777	1,792	1,815	1,846
Freshmen	124	119	163	145	186	174	141	162	162	162	162	164	166	169
Sophomores	424	394	526	507	563	648	572	574	574	574	576	581	588	598
Juniors	579	528	660	675	770	850	809	782	782	782	786	792	802	816
Seniors	254	196	188	217	203	303	282	252	252	252	253	255	259	263
Transfer	1,381	1,237	1,537	1,544	1,722	1,975	1,804	1,770	1,770	1,770	1,777	1,792	1,815	1,846
Other UH Institutions	770	661	741	671	793	808	839	813	813	813	813	813	813	813
HI Private Institutions	58	47	83	102	96	118	101	105	105	105	105	105	105	105
U.S. Mainland Institutions	447	447	594	699	736	960	720	742	742	742	749	764	787	818
Foreign & U.S. Related Areas 3/	80	49	61	60	50	68	102	73	73	73	73	73	73	73
Other Transfers 5/	26	33	58	12	47	21	42	37	37	37	37	37	37	37
Returning	366	283	299	280	284	272	284	279	279	279	279	279	279	279
Freshmen	30	21	17	32	27	27	22	25	25	25	25	25	25	25
Sophomores	56	60	54	55	65	73	75	74	74	74	74	74	74	74
Juniors	79	69	67	62	64	60	67	64	64	64	64	64	64	64
Seniors	201	133	161	131	128	112	120	116	116	116	116	116	116	116

TABLE 2 (cont.)

	HISTORICAL							PROJECTED						
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Continuing	8,182	8,024	7,999	8,541	9,100	9,427	9,717	9,628	9,529	9,478	9,454	9,442	9,438	9,449
Freshmen	242	267	312	269	573	338	370	370	363	365	365	364	363	363
Sophomores	1,539	1,576	1,575	1,695	2,321	1,905	1,931	1,928	1,917	1,918	1,921	1,917	1,912	1,913
Juniors	2,103	2,072	2,107	2,334	3,074	2,565	2,813	2,762	2,759	2,748	2,749	2,754	2,755	2,757
Seniors	4,298	4,109	4,005	4,243	3,132	4,619	4,603	4,568	4,490	4,447	4,419	4,407	4,408	4,416
Classified Graduates	4,741	4,567	4,536	4,834	5,169	5,382	5,409	5,281	5,208	5,180	5,196	5,256	5,347	5,439
Masters	2,844	2,765	2,752	2,922	3,070	3,207	3,120	3,026	2,965	2,935	2,935	2,964	3,023	3,083
Doctorate	1,217	1,179	1,191	1,264	1,312	1,419	1,480	1,450	1,436	1,436	1,450	1,479	1,509	1,539
First-Professional	476	485	500	535	613	599	640	642	644	646	648	650	652	654
Post-Baccalaureate	151	90	63	86	131	119	135	127	127	127	127	127	127	127
Graduate Special	53	48	30	27	43	38	34	36	36	36	36	36	36	36
Unclassified	1,413	1,545	1,511	1,630	1,592	1,474	1,409	1,409	1,409	1,409	1,409	1,409	1,409	1,409
Undergraduates 6/	481	570	569	588	574	508	475	475	475	475	475	475	475	475
Graduates	932	975	942	1,042	942	916	883	883	883	883	883	883	883	883
Home-Based at Other UH Campus 7/					76	50	51	51	51	51	51	51	51	51

1/ Total includes Outreach College enrollment, beginning Fall 1999.

2/ Breakout by ed level has been adjusted for Fall 2004; counts may differ from information shown in other reports.

3/ Includes U.S. Possessions, Commonwealths and republics within the Compact of Free Association.

4/ Includes GED, students from Hawai‘i who are not recent high school graduates and records with invalid data on high school.

5/ Includes records wth invalid data on previous college.

6/ Includes records wth invalid data on education level.

7/ Students whose Primary campus, as identified in Banner / ODS, is a UH campus other than UH Mānoa.

TABLE 3
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2005 TO FALL 2012

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
Campus Total	20,644	20,350	20,186	20,109	20,102	20,158	20,268	20,424
Undergraduate Level	14,352	14,186	14,095	14,046	14,023	14,019	14,038	14,102
Lower Division 1/	5,658	5,642	5,632	5,637	5,636	5,631	5,634	5,670
Upper Division	8,694	8,544	8,463	8,409	8,387	8,388	8,404	8,432
Graduate Level 2/	6,292	6,164	6,091	6,063	6,079	6,139	6,230	6,322
Classified	19,235	18,941	18,777	18,700	18,693	18,749	18,859	19,015
Undergraduates	13,826	13,660	13,569	13,520	13,497	13,493	13,512	13,576
Lower Division	5,132	5,116	5,106	5,111	5,110	5,105	5,108	5,144
Upper Division	8,694	8,544	8,463	8,409	8,387	8,388	8,404	8,432
Graduates	5,409	5,281	5,208	5,180	5,196	5,256	5,347	5,439
Unclassified	1,409	1,409	1,409	1,409	1,409	1,409	1,409	1,409
Undergraduate (Lower Division)	475	475	475	475	475	475	475	475
Graduate Level	883	883	883	883	883	883	883	883
Home-Based at Other UH 3/	51	51	51	51	51	51	51	51
COLLEGE OF ARTS & SCIENCES	11,788	11,622	11,536	11,492	11,487	11,511	11,568	11,660
Lower Division	4,323	4,308	4,299	4,304	4,302	4,298	4,301	4,335
Upper Division	5,367	5,271	5,227	5,194	5,183	5,186	5,198	5,216
Graduate Level	2,098	2,043	2,010	1,994	2,002	2,027	2,069	2,109
Arts & Humanities	1,474	1,449	1,433	1,424	1,424	1,429	1,438	1,451
Lower Division	275	273	272	272	273	273	272	276
Upper Division	815	802	793	787	785	785	787	789
Graduate Level	384	374	368	365	366	371	379	386
Languages, Ling & Lit	1,062	1,043	1,031	1,026	1,027	1,031	1,040	1,051
Lower Division	178	178	178	178	178	177	177	178
Upper Division	440	433	428	426	425	425	425	427
Graduate Level	444	432	425	422	424	429	438	446
Natural Sciences	2,154	2,118	2,101	2,090	2,088	2,094	2,110	2,130
Lower Division	612	609	608	609	608	607	609	615
Upper Division	1,017	998	990	982	979	980	983	987
Graduate Level	525	511	503	499	501	507	518	528
Social Sciences	2,441	2,399	2,374	2,360	2,359	2,367	2,384	2,404
Lower Division	398	397	396	396	396	396	397	399
Upper Division	1,352	1,329	1,316	1,307	1,304	1,303	1,306	1,310
Graduate Level	691	673	662	657	659	668	681	695
General Arts & Sciences	4,453	4,412	4,399	4,396	4,393	4,394	4,399	4,426
Lower Division	2,858	2,849	2,843	2,847	2,845	2,843	2,844	2,865
Upper Division	1,595	1,563	1,556	1,549	1,548	1,551	1,555	1,561
Other Arts & Sciences	204	201	198	196	196	196	197	198
Lower Division	2	2	2	2	2	2	2	2
Upper Division	148	146	144	143	142	142	142	142
Graduate Level	54	53	52	51	52	52	53	54
SCH OF HAWN, ASIAN & PAC ST	303	298	295	293	293	295	297	300
Lower Division	55	55	55	55	55	55	55	55
Upper Division	122	120	119	118	118	118	118	118
Graduate Level	126	123	121	120	120	122	124	127

TABLE 3 (cont.)

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
SCH OF OCEAN & EARTH SCI TECH..	335	328	324	322	323	326	329	333
Lower Division	49	49	49	49	49	49	49	49
Upper Division	92	90	89	89	89	89	89	89
Graduate Level	194	189	186	184	185	188	191	195
SCHOOL OF ARCHITECTURE	269	269	270	271	273	275	277	279
Lower Division	66	66	66	66	66	66	66	66
Upper Division	116	114	113	112	112	112	112	112
1st Professional (ArchD)	87	89	91	93	95	97	99	101
COLLEGE OF BUSINESS ADMIN	1,327	1,301	1,284	1,274	1,273	1,278	1,288	1,299
Lower Division	6	6	6	6	6	6	6	6
Upper Division	853	840	829	823	820	819	820	823
Graduate Level	468	455	449	445	447	453	462	470
Masters Degrees	439	427	421	417	419	425	433	441
PhD Program	29	28	28	28	28	28	29	29
SCH OF TRAVEL INDUSTRY MGT	462	455	452	450	449	449	450	452
Lower Division	101	101	101	101	101	101	101	101
Upper Division	338	332	329	327	326	326	326	328
Graduate Level	23	22	22	22	22	22	23	23
COLLEGE OF EDUCATION	1,546	1,506	1,483	1,478	1,477	1,489	1,503	1,523
Lower Division	16	16	16	16	16	16	16	16
Upper Division	515	506	500	497	495	495	495	496
Graduate Level	880	857	840	838	839	851	865	884
Post Baccalaureate	135	127	127	127	127	127	127	127
COLLEGE OF ENGINEERING	967	954	946	941	941	943	948	953
Lower Division	325	324	323	323	324	324	324	325
Upper Division	473	465	461	457	456	456	457	458
Graduate Level	169	165	162	161	161	163	167	170
COLLEGE OF TROP AG & HUM RES ..	797	784	776	773	771	773	779	786
Lower Division	159	159	159	159	159	158	158	159
Upper Division	408	401	397	395	393	393	394	396
Graduate Level	230	224	220	219	219	222	227	231
SCHOOL OF MEDICINE	464	460	456	455	455	457	460	463
Lower Division	4	4	4	4	4	4	4	4
Upper Division	51	51	50	50	49	49	49	49
Graduate Level	155	151	148	147	148	150	153	156
1st Professional (MD)	254	254	254	254	254	254	254	254
SCHOOL OF NURSING	455	447	441	439	438	438	441	445
Lower Division	28	28	28	28	28	28	28	28
Upper Division	316	311	307	305	304	303	304	305
Graduate Level	111	108	106	106	106	107	109	112
SCHOOL OF SOCIAL WORK	217	212	209	207	208	210	214	217
Upper Division	43	43	42	42	42	42	42	42
Graduate Level	174	169	167	165	166	168	172	175
SCHOOL OF LAW	317	317	317	317	317	317	317	317
1st Professional	299	299	299	299	299	299	299	299
Master in Law	6	6	6	6	6	6	6	6
Pre-Law, Non-Degree (Unclass)	12	12	12	12	12	12	12	12

1/ Includes Unclassified Undergraduates and records with invalid data on education level.
2/ Includes Unclassified Graduates.
3/ Students whose Primary campus, as identified in Banner / ODS, is a UH campus other than UH Manoa.

TABLE 4
STUDENT SEMESTER HOURS OFFERED, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2005 TO FALL 2012

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
TOTAL	236,333	233,356	231,669	230,856	230,696	231,076	231,982	233,419
Lower Division	105,806	104,910	104,437	104,262	104,182	104,164	104,321	104,890
Upper Division	88,586	87,240	86,438	85,971	85,792	85,839	86,050	86,402
Graduate Level	41,941	41,206	40,794	40,623	40,722	41,073	41,611	42,127
COLLEGE OF ARTS & SCIENCES 1/	143,417	141,714	140,761	140,308	140,204	140,359	140,833	141,721
Lower Division	85,111	84,405	84,029	83,902	83,836	83,819	83,944	84,424
Upper Division	45,821	45,128	44,734	44,492	44,412	44,442	44,556	44,747
Graduate Level	12,485	12,181	11,998	11,914	11,956	12,098	12,333	12,550
Arts & Humanities	32,560	32,195	31,971	31,872	31,847	31,878	31,970	32,160
Lower Division	18,868	18,723	18,639	18,615	18,604	18,599	18,619	18,730
Upper Division	11,759	11,584	11,472	11,411	11,392	11,403	11,438	11,486
Graduate Level	1,933	1,888	1,860	1,846	1,851	1,876	1,913	1,944
Languages, Ling & Lit	35,886	35,442	35,189	35,077	35,051	35,092	35,215	35,439
Lower Division	21,946	21,734	21,620	21,575	21,558	21,562	21,608	21,731
Upper Division	11,281	11,116	11,019	10,969	10,949	10,957	10,983	11,039
Graduate Level	2,659	2,592	2,550	2,533	2,544	2,573	2,624	2,669
Natural Sciences	34,022	33,640	33,448	33,354	33,332	33,369	33,486	33,705
Lower Division	25,387	25,178	25,076	25,041	25,017	25,011	25,048	25,187
Upper Division	5,452	5,360	5,316	5,278	5,269	5,279	5,295	5,320
Graduate Level	3,183	3,102	3,056	3,035	3,046	3,079	3,143	3,198
Social Sciences 1/	39,654	39,152	38,877	38,734	38,704	38,750	38,889	39,135
Lower Division	18,245	18,107	18,033	18,010	17,997	17,987	18,009	18,110
Upper Division	16,827	16,572	16,436	16,346	16,316	16,317	16,353	16,414
Graduate Level	4,582	4,473	4,408	4,378	4,391	4,446	4,527	4,611
Other Arts & Sciences	1,295	1,285	1,276	1,271	1,270	1,270	1,273	1,282
Lower Division	665	663	661	661	660	660	660	666
Upper Division	502	496	491	488	486	486	487	488
Graduate Level	128	126	124	122	124	124	126	128
SCH OF HAWN, ASIAN & PAC ST	5,606	5,542	5,505	5,484	5,484	5,494	5,510	5,540
Lower Division	3,524	3,494	3,475	3,467	3,467	3,466	3,469	3,484
Upper Division	1,481	1,460	1,451	1,442	1,442	1,445	1,448	1,451
Graduate Level	601	588	579	575	575	583	593	605
SCH OF OCEAN & EARTH SCI TECH	4,410	4,348	4,309	4,290	4,296	4,319	4,343	4,385
Lower Division	2,059	2,046	2,037	2,036	2,036	2,036	2,037	2,048
Upper Division	992	977	967	963	962	965	968	972
Graduate Level	1,359	1,325	1,305	1,291	1,298	1,318	1,338	1,365
SCHOOL OF ARCHITECTURE	2,668	2,665	2,672	2,681	2,699	2,716	2,735	2,754
Lower Division	988	985	984	984	986	987	990	993
Upper Division	990	979	975	973	976	979	982	985
Graduate Level	690	701	713	724	737	750	763	776

TABLE 4 (cont.)

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
COLLEGE OF BUSINESS ADMIN	17,565	17,270	17,090	16,977	16,959	17,003	17,093	17,207
Lower Division	2,743	2,710	2,698	2,688	2,685	2,686	2,688	2,700
Upper Division	10,730	10,568	10,447	10,375	10,344	10,340	10,359	10,400
Graduate Level	4,092	3,992	3,945	3,914	3,930	3,977	4,046	4,107
SCH OF TRAVEL INDUSTRY MGT	3,218	3,168	3,144	3,128	3,121	3,121	3,127	3,143
Lower Division	897	889	884	881	880	880	881	884
Upper Division	2,178	2,141	2,122	2,109	2,103	2,103	2,103	2,116
Graduate Level	143	138	138	138	138	138	143	143
COLLEGE OF EDUCATION	19,696	19,332	19,130	19,060	19,036	19,111	19,210	19,357
Lower Division	2,434	2,408	2,395	2,386	2,382	2,385	2,391	2,402
Upper Division	12,032	11,836	11,724	11,672	11,647	11,665	11,692	11,743
Graduate Level	5,230	5,088	5,011	5,002	5,007	5,061	5,127	5,212
COLLEGE OF ENGINEERING	5,722	5,630	5,583	5,545	5,538	5,549	5,583	5,608
Lower Division	1,578	1,560	1,552	1,544	1,544	1,544	1,547	1,551
Upper Division	3,295	3,241	3,215	3,190	3,184	3,186	3,197	3,205
Graduate Level	849	829	816	811	810	819	839	852
COLLEGE OF TROP AG & HUM RES	11,578	11,415	11,329	11,294	11,272	11,286	11,335	11,406
Lower Division	4,390	4,350	4,331	4,324	4,319	4,317	4,324	4,348
Upper Division	5,954	5,862	5,815	5,792	5,775	5,776	5,792	5,819
Graduate Level	1,234	1,203	1,183	1,178	1,178	1,193	1,219	1,239
SCHOOL OF MEDICINE	11,335	11,269	11,222	11,205	11,203	11,220	11,256	11,288
Lower Division	1,742	1,727	1,719	1,719	1,716	1,714	1,719	1,725
Upper Division	1,490	1,474	1,461	1,455	1,448	1,449	1,452	1,454
Graduate Level	8,103	8,068	8,042	8,031	8,039	8,057	8,085	8,109
SCHOOL OF NURSING	4,048	3,981	3,928	3,907	3,898	3,893	3,916	3,941
Lower Division	220	217	214	212	212	211	212	212
Upper Division	3,210	3,162	3,123	3,104	3,095	3,085	3,097	3,106
Graduate Level	618	602	591	591	591	597	607	623
SCHOOL OF SOCIAL WORK	2,231	2,183	2,157	2,138	2,147	2,166	2,202	2,230
Lower Division	120	119	119	119	119	119	119	119
Upper Division	413	412	404	404	404	404	404	404
Graduate Level	1,698	1,652	1,634	1,615	1,624	1,643	1,679	1,707
SCHOOL OF LAW	4,839	4,839	4,839	4,839	4,839	4,839	4,839	4,839
Graduate Level	4,839	4,839	4,839	4,839	4,839	4,839	4,839	4,839

1/ Military Studies is included with Social Sciences, College of Arts & Sciences.

TABLE 5
FULL-TIME EQUIVALENT COURSE ENROLLMENT SERVED, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2005 TO FALL 2012

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
TOTAL	16,452	16,243	16,126	16,070	16,057	16,088	16,160	16,264
Lower Division	7,055	6,994	6,964	6,951	6,946	6,944	6,955	6,992
Upper Division	5,899	5,815	5,762	5,733	5,718	5,721	5,736	5,762
Graduate Level	3,498	3,434	3,400	3,386	3,393	3,423	3,469	3,510
COLLEGE OF ARTS & SCIENCES 1/	9,770	9,651	9,585	9,553	9,545	9,557	9,595	9,658
Lower Division	5,674	5,627	5,602	5,593	5,589	5,587	5,597	5,628
Upper Division	3,052	3,008	2,983	2,967	2,960	2,962	2,970	2,984
Graduate Level	1,044	1,016	1,000	993	996	1,008	1,028	1,046
Arts & Humanities	2,203	2,177	2,163	2,156	2,153	2,156	2,163	2,177
Lower Division	1,258	1,248	1,243	1,241	1,240	1,240	1,241	1,249
Upper Division	784	772	765	761	759	760	763	766
Graduate Level	161	157	155	154	154	156	159	162
Languages, Ling & Lit	2,438	2,406	2,389	2,380	2,379	2,381	2,392	2,407
Lower Division	1,463	1,449	1,441	1,438	1,437	1,437	1,441	1,449
Upper Division	752	741	735	731	730	730	732	736
Graduate Level	223	216	213	211	212	214	219	222
Natural Sciences	2,320	2,295	2,281	2,274	2,273	2,276	2,285	2,301
Lower Division	1,693	1,679	1,672	1,669	1,668	1,667	1,670	1,679
Upper Division	362	357	354	352	351	352	353	355
Graduate Level	265	259	255	253	254	257	262	267
Social Sciences 1/	2,721	2,685	2,665	2,656	2,654	2,658	2,668	2,685
Lower Division	1,216	1,207	1,202	1,201	1,200	1,199	1,201	1,207
Upper Division	1,121	1,105	1,096	1,090	1,088	1,088	1,090	1,094
Graduate Level	384	373	367	365	366	371	377	384
Other Arts & Sciences	88	88	87	87	86	86	87	88
Lower Division	44	44	44	44	44	44	44	44
Upper Division	33	33	33	33	32	32	32	33
Graduate Level	11	11	10	10	10	10	11	11
SCH OF HAWN, ASIAN & PAC ST	385	379	377	375	375	376	377	379
Lower Division	236	233	232	231	231	231	231	232
Upper Division	99	97	97	96	96	96	97	97
Graduate Level	50	49	48	48	48	49	49	50
SCH OF OCEAN & EARTH SCI TECH	317	311	309	308	308	310	313	316
Lower Division	138	136	136	136	136	136	136	137
Upper Division	66	65	64	64	64	64	65	65
Graduate Level	113	110	109	108	108	110	112	114
SCHOOL OF ARCHITECTURE	190	189	190	191	192	194	195	197
Lower Division	66	66	66	66	66	66	66	66
Upper Division	66	65	65	65	65	65	65	66
Graduate Level	58	58	59	60	61	63	64	65

TABLE 5 (cont.)

COLLEGE	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
COLLEGE OF BUSINESS ADMIN	1,237	1,219	1,205	1,197	1,197	1,199	1,207	1,215
Lower Division	182	181	180	179	179	179	179	180
Upper Division	714	705	696	692	690	689	691	693
Graduate Level	341	333	329	326	328	331	337	342
SCH OF TRAVEL INDUSTRY MGT	217	214	212	212	211	211	211	212
Lower Division	60	59	59	59	59	59	59	59
Upper Division	145	143	141	141	140	140	140	141
Graduate Level	12	12	12	12	12	12	12	12
COLLEGE OF EDUCATION	1,400	1,374	1,360	1,354	1,352	1,359	1,365	1,377
Lower Division	162	161	160	159	159	159	159	160
Upper Division	802	789	782	778	776	778	779	783
Graduate Level	436	424	418	417	417	422	427	434
COLLEGE OF ENGINEERING	394	389	385	384	383	383	386	388
Lower Division	105	104	103	103	103	103	103	103
Upper Division	219	216	214	213	212	212	213	214
Graduate Level	70	69	68	68	68	68	70	71
COLLEGE OF TROP AG & HUM RES	791	781	776	772	771	772	776	781
Lower Division	293	290	289	288	288	288	288	290
Upper Division	396	391	388	386	385	385	386	388
Graduate Level	102	100	99	98	98	99	102	103
SCHOOL OF MEDICINE	889	885	882	881	881	882	886	888
Lower Division	116	115	115	115	114	114	115	115
Upper Division	98	98	97	97	97	97	97	97
Graduate Level	675	672	670	669	670	671	674	676
SCHOOL OF NURSING	281	275	271	270	269	270	271	273
Lower Division	15	14	14	14	14	14	14	14
Upper Division	214	211	208	207	206	206	206	207
Graduate Level	52	50	49	49	49	50	51	52
SCHOOL OF SOCIAL WORK	178	173	171	170	170	172	175	177
Lower Division	8	8	8	8	8	8	8	8
Upper Division	28	27	27	27	27	27	27	27
Graduate Level	142	138	136	135	135	137	140	142
SCHOOL OF LAW	403	403	403	403	403	403	403	403
Graduate Level	403	403	403	403	403	403	403	403

1/ Military Studies is included with Social Sciences, College of Arts & Sciences.

TABLE 6
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY ATTENDANCE STATUS
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2005 TO FALL 2012

ATTENDANCE STATUS	ACTUAL 2005	PROJECTED 2006	2007	2008	2009	2010	2011	2012
TOTAL	20,644	20,350	20,186	20,109	20,102	20,158	20,268	20,424
Full-time.....	15,037	14,839	14,720	14,663	14,658	14,699	14,779	14,894
Lower Division	5,022	5,746	5,700	5,678	5,676	5,692	5,723	5,767
Upper Division	6,835	5,949	5,901	5,878	5,876	5,893	5,925	5,971
Graduate Level	3,180	3,144	3,119	3,107	3,106	3,114	3,131	3,156
Part-time	5,607	5,511	5,466	5,446	5,444	5,459	5,489	5,530
Lower Division 1/	636	698	692	691	690	692	696	700
Upper Division	1,859	1,724	1,710	1,703	1,703	1,708	1,717	1,730
Graduate Level	3,112	3,089	3,064	3,052	3,051	3,059	3,076	3,100

1/ Includes records with invalid data on education level.

Lower Division = Freshmen, Sophomores & Unclassified Undergraduate students.
Upper Division = Juniors & Seniors

APPENDIX A
HAWAIʻI PUBLIC HIGH SCHOOL SENIORS, BY SCHOOL DISTRICT
ACADEMIC YEARS 1998-99 TO 2011-12

SCHOOL DISTRICT	HISTORICAL 1/								PROJECTED 2/					
	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
TOTAL	10,582	10,858	10,430	10,692	10,452	10,677	10,794	11,080	11,182	10,684	10,659	10,621	10,625	10,660
O'ahu Districts	6,751	6,970	6,573	6,719	6,514	6,668	6,725	7,183	7,278	6,788	6,741	6,679	6,663	6,671
Honolulu District	1,957	2,126	1,913	1,982	1,825	1,767	1,850	1,911	1,992	1,807	1,783	1,739	1,706	1,676
Central District	1,858	1,842	1,744	1,875	1,854	1,842	1,860	1,926	1,945	1,865	1,860	1,854	1,851	1,849
Leeward District	1,833	1,827	1,782	1,765	1,775	2,012	1,995	2,229	2,309	2,146	2,150	2,160	2,194	2,247
Windward District	1,103	1,175	1,134	1,097	1,060	1,047	1,020	1,117	1,032	970	948	926	912	899
Neighbor Island Districts	3,817	3,880	3,844	3,820	3,780	3,808	3,885	3,687	3,635	3,647	3,655	3,661	3,682	3,710
Hawaiʻi District	1,744	1,847	1,788	1,724	1,767	1,758	1,768	1,726	1,658	1,687	1,695	1,706	1,722	1,745
Maui District	1,299	1,333	1,339	1,375	1,356	1,338	1,408	1,248	1,313	1,289	1,297	1,306	1,312	1,321
Kauaʻi District	774	700	717	721	657	712	709	713	664	671	663	649	648	644
Other Schools	14	8	13	153	158	201	184	210	269	249	263	281	280	279
Special Schools	14	8	13	21	16	12	3	12	17	9	9	11	10	9
Charter Schools 3/				132	142	189	181	198	252	240	254	270	270	270

1/ Department of Education for the State of Hawaiʻi.
2/ Department of Education, "Statewide Enrollment Projections, 2006-07 to 2011-12," September 2005.
3/ Includes all districts.

Note: Counts have been adjusted by UH IRO to include Special Education seniors for all years shown.

APPENDIX B
HAWAI‘I HIGH SCHOOL GRADUATES
WICHE HISTORICAL AND PROJECTED - 2003 SERIES

Year	Total	% Chge	Public	% Chge	Private	% Chge
1987-88	13,400		10,751		2,649	
1988-89	13,059	-2.5	10,551	-1.9	2,508	-5.3
1989-90	11,908	-8.8	9,526	-9.7	2,382	-5.0
1990-91	11,896	-0.1	9,519	-0.1	2,377	-0.2
1991-92	11,970	0.6	9,610	1.0	2,360	-0.7
1992-93	11,585	-3.2	9,284	-3.4	2,301	-2.5
1993-94	12,337	6.5	9,900	6.6	2,437	5.9
1994-95	12,359	0.2	9,972	0.7	2,387	-2.1
1995-96	11,854	-4.1	9,405	-5.7	2,449	2.6
1996-97	11,436	-3.5	8,975	-4.6	2,461	0.5
1997-98	12,107	5.9	9,670	7.7	2,437	-1.0
1998-99	12,302	1.6	9,713	0.4	2,589	6.2
1999-00	12,950	5.3	10,437	7.5	2,513	-2.9
2000-01	12,628	-2.5	10,102	-3.2	2,526	0.5
2001-02	12,991	2.9	10,452	3.5	2,539	0.5
2002-03	12,577	-3.2	10,047	-3.9	2,530	-0.4
2003-04	12,697	1.0	10,128	0.8	2,569	1.5
2004-05	12,924	1.8	10,126	0.0	2,798	8.9
2005-06	13,003	0.6	10,327	2.0	2,676	-4.4
2006-07	13,050	0.4	10,416	0.9	2,634	-1.6
2007-08	13,804	5.8	10,775	3.4	3,029	15.0
2008-09	13,517	-2.1	10,547	-2.1	2,970	-1.9
2009-10	13,094	-3.1	10,204	-3.3	2,890	-2.7
2010-11	12,834	-2.0	10,035	-1.7	2,799	-3.1
2011-12	12,685	-1.2	9,882	-1.5	2,803	0.1
2012-13	12,333	-2.8	9,462	-4.3	2,871	2.4
2013-14	12,178	-1.3	9,437	-0.3	2,741	-4.5
2014-15	11,461	-5.9	8,894	-5.8	2,567	-6.3
2015-16	11,571	1.0	8,978	0.9	2,593	1.0
2016-17	11,216	-3.1	8,692	-3.2	2,524	-2.7
2017-18	11,578	3.2	8,962	3.1	2,616	3.6

Note: Horizontal line delimits WICHE historical from projected numbers.

Note: WICHE "Historical" data may differ from UH IRO compiled data shown in the MAPS reports on the High School Background of First-Time Students.

Source: Western Interstate Commission for Higher Education, December 2003.