ENROLLMENT PROJECTIONS

UNIVERSITY OF HAWAIʻI AT MĀNOA

FALL 2001 TO FALL 2007

Institutional Research Office

University of Hawaiʻi

February 2001

File Reference: Management and Planning Support Folder, Projections

Reports available online at: www.hawaii.edu/iro/maps.htm

ENROLLMENT PROJECTIONS
UNIVERSITY OF HAWAIʻI AT MĀNOA
FALL 2001 TO FALL 2007

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 are not target enrollment projections, 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 the planning and budgeting processes.

The enrollment projections are based upon unduplicated headcounts of full-time and part-time 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, both historical and projected.

Historical data are included in the figures and tables to facilitate comparison and analysis. They were extracted from the Student Enrollment Reports, the Academic Crossover Studies and the Course Registration Reports. Information on Hawai'i public high school seniors by school district (DOE), as well as Hawaiʻi public and private high school graduates (WICHE), are provided in appendices.

METHODOLOGY

The Fall 2001 projection report departs from previous editions by offering three projection series - high, middle and low. The values in the separate series were produced by varying the input values used in the model from among the range of available values. Otherwise, the model uses the same general methodology for all three series.

The projections are broken down by classified undergraduate, classified graduate and unclassified student enrollments. Classified undergraduate enrollment is further sub-divided by registration status: first-time, transfer, and continuing / returning. Classified graduate is further sub-divided by degree objective. Unclassified enrollment is broken down by undergraduate and graduate. Additional details are summarized below.

First-time freshmen are divided into categories based upon high school of origin; each category is forecast separately. The four categories are: direct entrants from Hawaiʻi public high schools, direct entrants from Hawaiʻi private high schools, students from the U.S. mainland, and other first-time freshmen. Direct entrants are students who enter UH Mānoa in the fall semester immediately following graduation from high school. This group

represents the traditional cohort 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 an average of this ratio (calculated by district) to the annual DOE senior enrollment forecast (ending in June). For outlying years, where DOE data may not be available, senior enrollment is extrapolated from lower level enrollments using continuation rates.

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), released in February 1998 (see Appendix B). A historical average ratio of direct private entrants to total Hawai‘i private high school graduates is first calculated. This ratio is then applied to the WICHE annual forecast to yield the projected number of first-time freshmen.

First-time freshmen from the **U.S. mainland** are forecast for 2001 to 2007 using a growth factor based upon the increases exhibited from Fall 1998 to Fall 2000. Starting with the Fall 2000 number as the base year, first-time freshmen from the U.S. mainland are forecast to grow by 5%, 10% or 15% for the three series (low to high, respectively). These assumed rates of growth are conservative, in that the growth rate has averaged 67% over the last two years.

Other first-time freshmen, such as those from foreign countries, those from the U.S possessions and those who graduated from high school prior to the 1999-2000 academic year, are both numerically small in absolute terms and stable in number. They are therefore set to constants.

Classified undergraduate continuing / returning students are forecast using continuation rates. In general, a continuation rate is the ratio of continuing / returning 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 / returning 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 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 / returning enrollment at the next higher level.

Classified undergraduate transfer enrollment has been fairly stable since Fall 1997 (see Table 2). Many different projection methods have been used over the years. No reliable correlation between classified undergraduate transfers and another more predictable variable has yet been found. For simplicity, the number of classified undergraduate transfers is set to a constant. The breakdown by educational level is forecast for all three

projection series using two-year average distribution ratios.

Classified graduate enrollment is sub-divided by education level, including: master, doctorate, first-professional, professional diploma / post baccalaureate and graduate special. Each education level is forecast separately, based upon examination of trends and, in some cases, input from the colleges. Masters, first-professional, professional diploma / post baccalaureate and graduate special enrollment are set to constants. Doctorates are forecast using an average negative growth factor extrapolated from the enrollment trend.

Unclassified students are broken out by undergraduate / graduate. The inclusion of Outreach College data to the general enrollment count beginning in Fall 1999 has resulted in large increases in the number of unclassified students. Whether this apparent growth will continue or is merely an adjustment to a higher overall level is as yet unclear. For simplicity, unclassified students are set to constants for all projected years.

In addition to the high, middle and low series enrollment projections given in Table 1, detailed tables are included which project headcount enrollment, student semester hours (SSH) offered, and full-time equivalent course enrollments. **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 and detailed forecasts by education level and registration status. 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 2000 data plus the projected enrollments for 2001 to 2007 as input, then forecast the counts by college using the Fall 2000 proportional distribution across units. Headcount enrollment by attendance status is provided in Table 6. This table utilizes the two-year average proportions to divide the projected headcounts between full-time and part-time students. Appendix A shows historical and DOE projected enrollments of Hawai‘i public high school seniors by geographic district. This table was last revised in January of 2000. Appendix B gives WICHE forecasts of Hawai‘i public and private high school graduates through 2012. This table was last revised in February of 1998.

ANALYSIS AND HIGHLIGHTS

- The Hawai‘i Department of Education is forecasting a decline in public high school seniors from 2000 through 2003 (see Appendix A and Figure 5). Compounding this problem is the fact that UH Mānoa public going rates have fallen from Fall 1998 to 2000 (see Table 4 in the MAPS report on *High School Background of First-Time Students* for more information). There has been a steady decline in the number of direct public entrants at UH Mānoa since Fall 1997, despite increases in the number of public high school graduates (see Table 2). At least some of this decline

may have been in response to rising tuition rates and the associated negative publicity for the University. Overall, these facts do not bode well for direct public entrants during the projection period.

- The growth in the number of first-time freshmen at UH Mānoa measured in Fall 2000 was due to a large influx of students from the U.S. mainland (see Table 2 and Figure 7). First-time freshmen from the U.S mainland have increased from 87 in Fall 1998 to 243 in Fall 2000 (+179%). This increase was purportedly due to active recruiting efforts. If these efforts continue, UH Mānoa may experience stable or even increasing overall numbers of first-time freshmen.

- Continuing / Returning undergraduate enrollment has declined steadily since Fall 1994 (see Table 2 and Figure 8). The rate of decline peaked in Fall 1997 at -7.2%. Since then, the rate of decline has averaged -2.6%, from 9,002 in Fall 1997 to 8,307 in Fall 2000. Continuing / returning enrollment of lower division students appears to have stabilized, with enrollment increasing 3.1% in Fall 2000. However, upper division enrollment has continued to decline, dropping nearly 300 students (-4.5%) in Fall 2000 alone. Since Fall 1994, upper division continuing / returning enrollment has declined by 1,278 students (-16.7%).

- Enrollment in Master and Doctorate programs has declined persistently since Fall 1994 (see Table 2). Master programs have dropped 350 students (-11.2%) since Fall 1994, while Doctorate programs have lost 246 (17.3%). If classified graduate enrollment is negatively correlated to the job market, as some believe, UH Mānoa may continue to experience declining enrollment in graduate programs.

- Enrollment at the Masters level has fluctuated over the last several years. After sharp declines in Fall 1996 and 1997, enrollment was virtually unchanged in Fall 1998. Enrollment increased in Fall 1999, then dropped again in Fall 2000. Given this pattern, Masters enrollment is perhaps best forecast using a constant.

- Doctorate level enrollment shows a more persistent downward trend than enrollment at the Masters level, declining since Fall 1997 at -2.5% per year. Doctorate level enrollment is forecast using a negative growth rate (-2.5% per year for the low projection series; -2.3% per year for the middle projection series; -1.9% per year for the high projection series).

- First-Professional enrollment is generally stable. The most uncertain element is the affect on enrollment of the new ArchD program in the School of Architecture. Until more data is available, a conservative forecast seems justified. Total First-Professional enrollment is therefore set to a constant.

- The Professional Diploma / Post Baccalaureate programs in education have undergone changes in recent years and do not yet show a trend. The College of Education expects enrollment from 80 to 100 students in the two programs over the next few years.

- Graduate special enrollment is generally stable and small in absolute terms. It is therefore set to a constant.

SUMMARY AND CONCLUSION

Enrollment at UH Mānoa has undergone persistent decline since Fall 1994. Many data elements point toward continued downward pressure on enrollment. These include the Hawai‘i Department of Education forecast for lower numbers of public high school seniors through 2003, continued strong employment demand on the U.S. mainland as well as signs of economic recovery in Hawai‘i, and persistent attrition of upper division students.

In contrast, certain other factors point toward enrollment recovery. These include the rapid growth in the last two years in the number of first-time freshmen from the U.S. mainland and stabilization in lower division continuing / returning undergraduate enrollment.

There are other elements which contribute uncertainty to any forecast. These include the impact of the merger with Outreach College on unclassified enrollment, the introduction of new or modification of existing degree options in Architecture (ArchD) and Education (PB & PDE), and the lack of a good way to forecast undergraduate transfer enrollment.

Overall, the enrollment projection for UH Mānoa is at best modest growth and at worst continued decline, with the most likely scenario being stable enrollment.

The analysis completed in the preparation of this report indicates that efforts may be needed to offset declining going rates and the Hawai‘i DOE forecast for lower numbers of public high school seniors. Further research may be needed to determine the causes of upper division undergraduate attrition. The results may in turn guide efforts to improve retention. Vigorous promotion of graduate level programs, and the University of Hawai‘i at Mānoa in general, may also be warranted.

Figure 1
Historical and Projected Headcount Enrollment

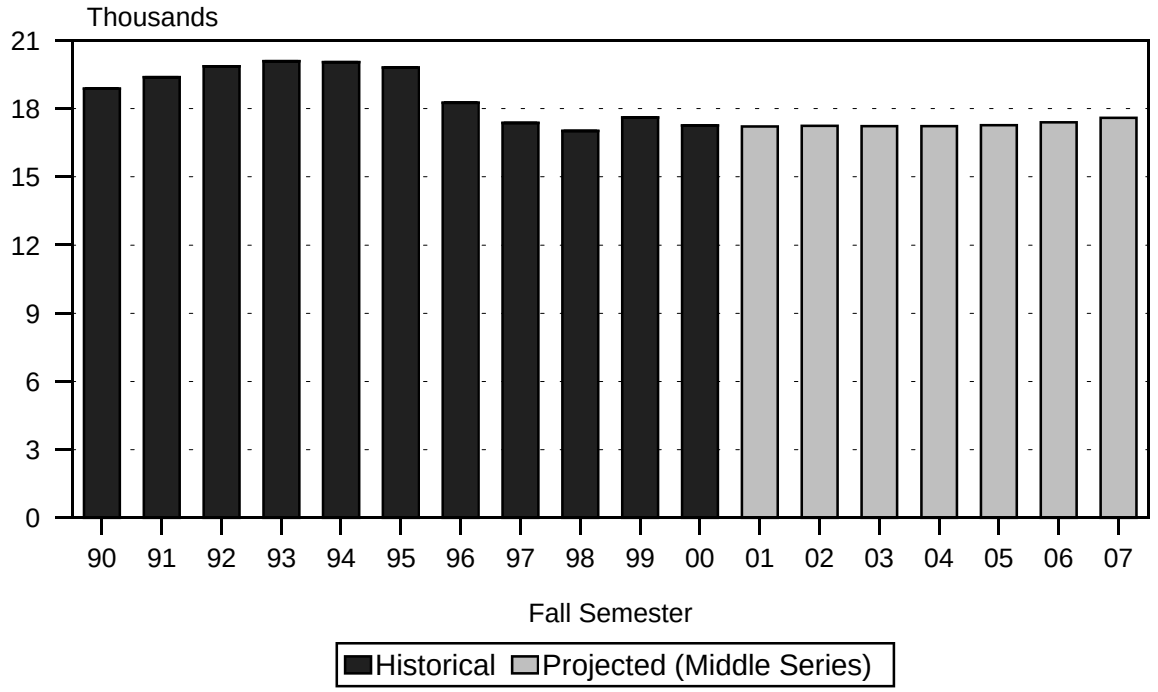


Figure 2
UH Mānoa Headcount Enrollment - 10 Year

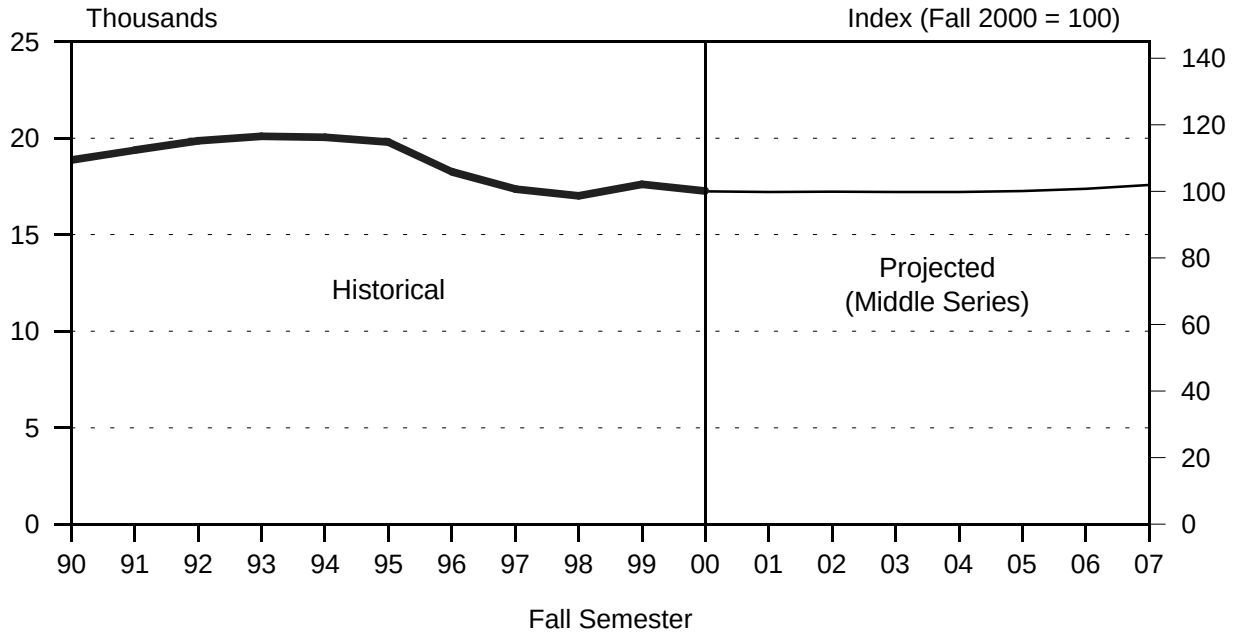


Figure 3
High, Middle and Low Projection Series

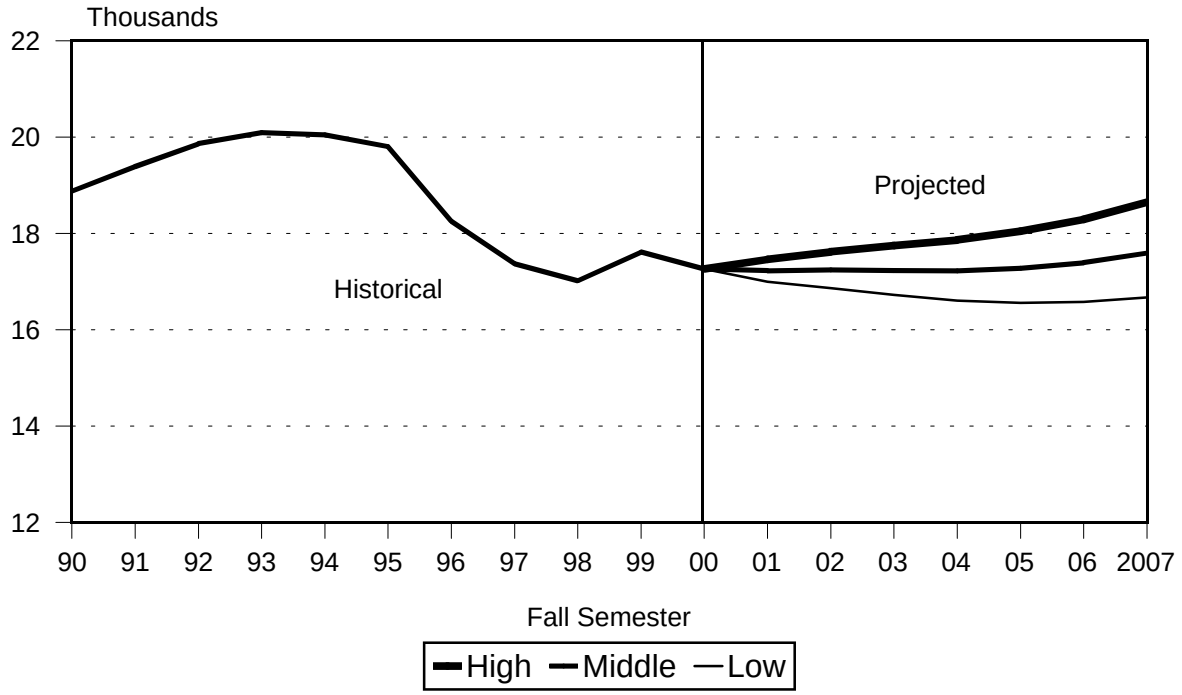


Figure 4
UH Mānoa Headcount Enrollment - Historical

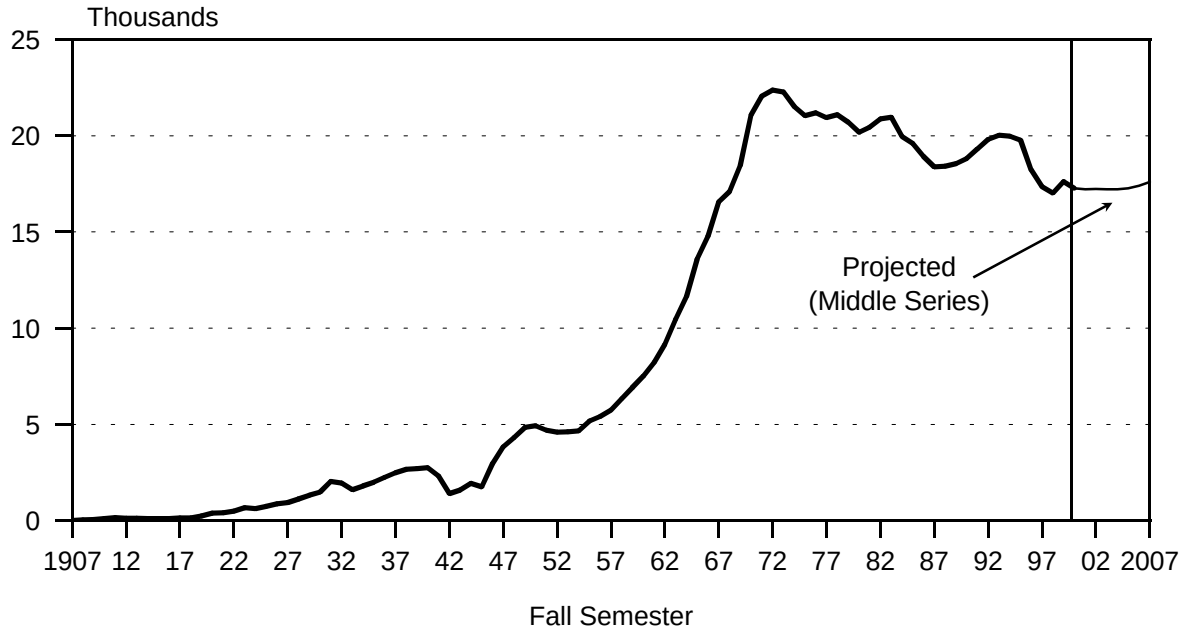
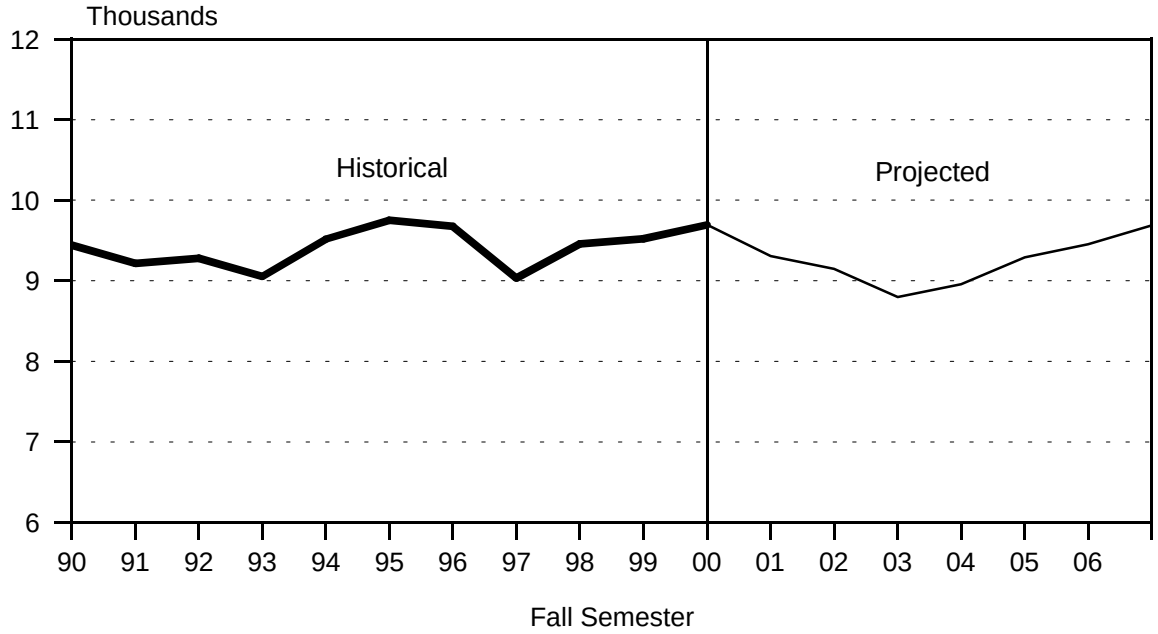
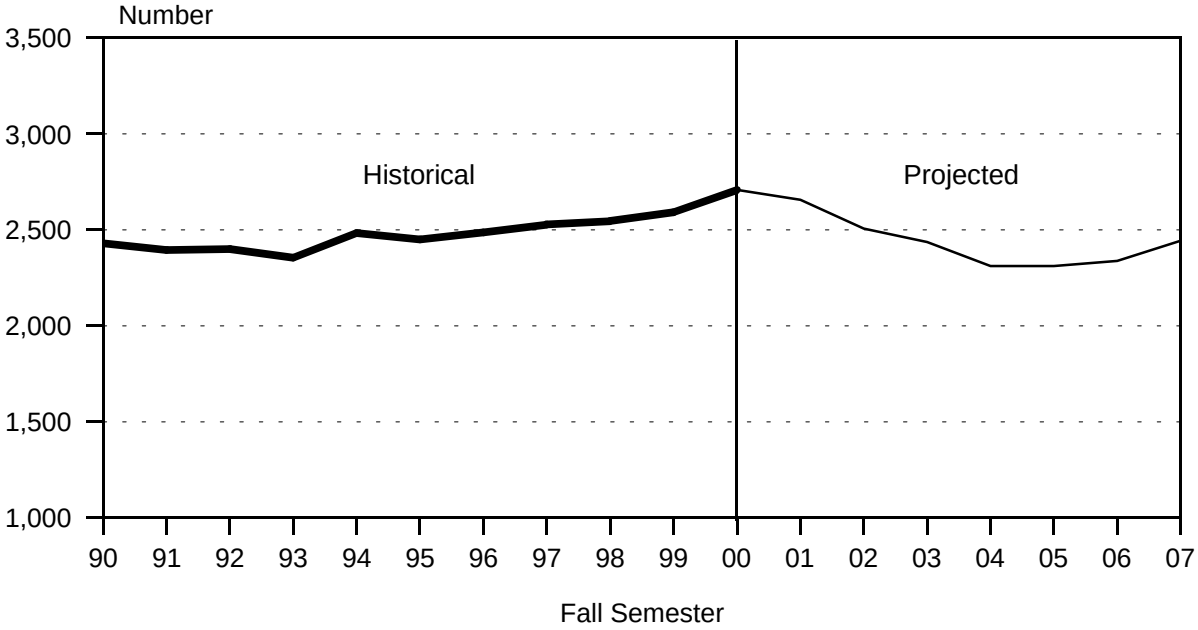


Figure 5
Hawai‘i Public High School Seniors



Data from the Department of Education, State of Hawai‘i.

Figure 6
Hawai‘i Private High School Graduates



Actual = IRO data; Projected = WICHE.

Figure 7
First-Time Freshmen by High School of Origin

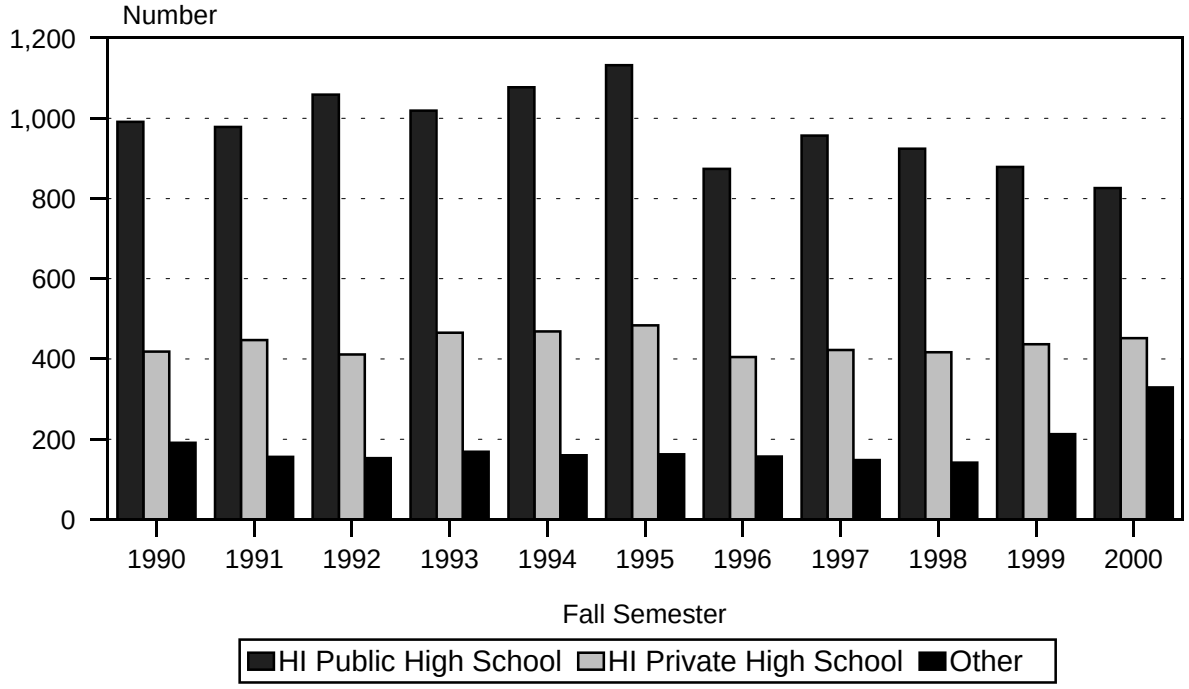


Figure 8
Continuing / Returning Undergraduate Students

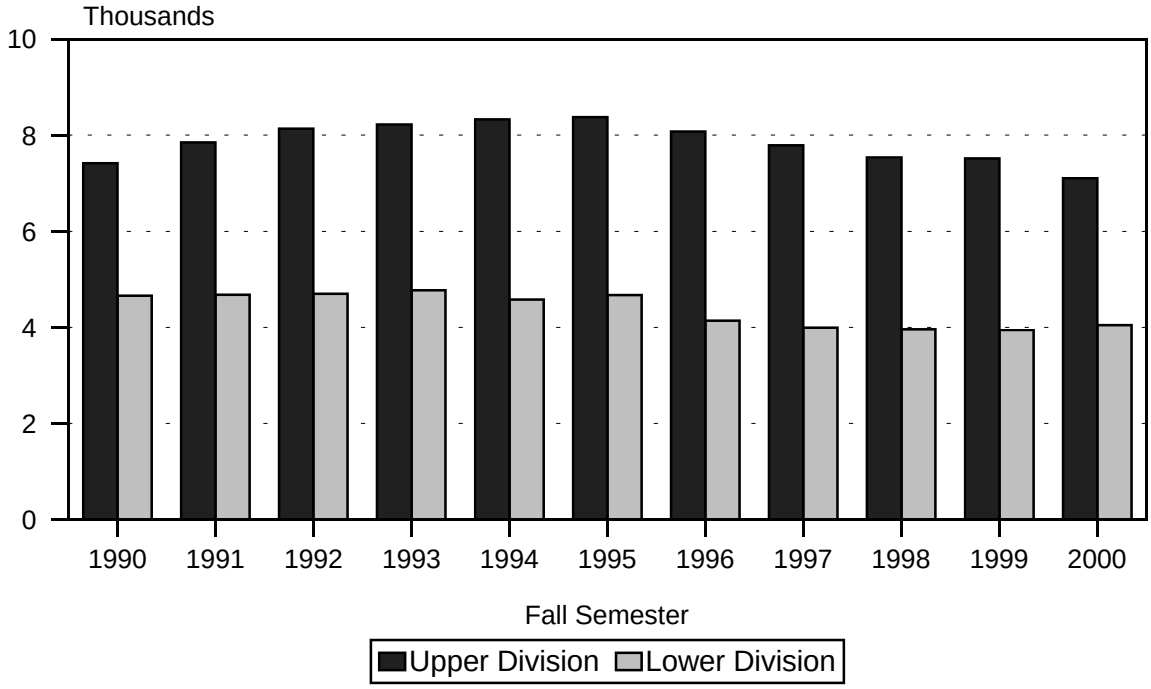


Figure 9
Classified Graduate Students

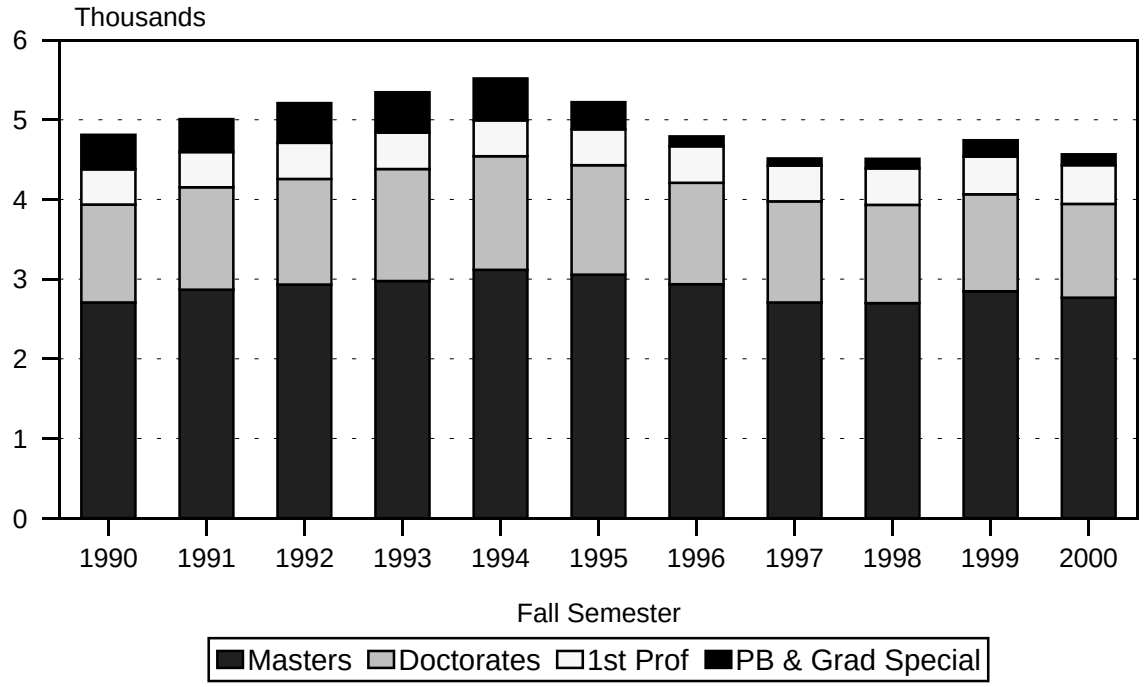
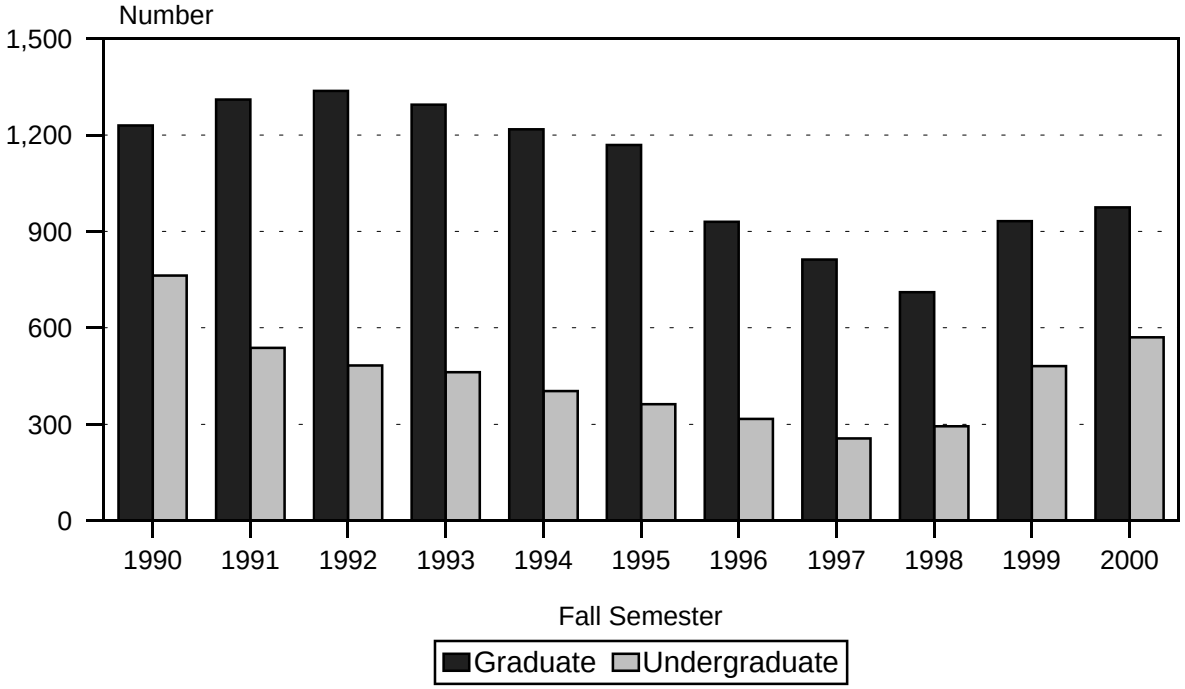


Figure 10
Unclassified Students



Some of the increase in Fall 1999 & Fall 2000 is due to the addition of Outreach College to the general enrollment count.

TABLE 1
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS
LOW, MIDDLE AND HIGH PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MANOA
FALL 2000 TO FALL 2007

PROJECTION SERIES	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
LOW SERIES TOTAL	17,263	16,994	16,865	16,721	16,606	16,560	16,576	16,668
Classified	15,718	15,514	15,385	15,241	15,126	15,080	15,096	15,188
Undergraduates	11,151	10,981	10,880	10,764	10,676	10,656	10,698	10,815
First-Time Freshmen	1,607	1,564	1,543	1,509	1,516	1,560	1,592	1,649
Continuing / Returning	8,307	8,180	8,100	8,018	7,923	7,859	7,869	7,929
Transfer	1,237	1,237	1,237	1,237	1,237	1,237	1,237	1,237
Graduates	4,567	4,533	4,505	4,477	4,450	4,424	4,398	4,373
Unclassified	1,545	1,480	1,480	1,480	1,480	1,480	1,480	1,480
Undergraduates	570	526	526	526	526	526	526	526
Graduates	975	954	954	954	954	954	954	954
MIDDLE SERIES TOTAL 1/	17,263	17,220	17,242	17,228	17,221	17,276	17,394	17,594
Classified	15,718	15,740	15,762	15,748	15,741	15,796	15,914	16,114
Undergraduates	11,151	11,185	11,233	11,244	11,262	11,341	11,483	11,706
First-Time Freshmen	1,607	1,612	1,603	1,583	1,608	1,674	1,732	1,815
Continuing / Returning	8,307	8,280	8,337	8,368	8,361	8,374	8,458	8,598
Transfer	1,237	1,293	1,293	1,293	1,293	1,293	1,293	1,293
Graduates	4,567	4,555	4,529	4,504	4,479	4,455	4,431	4,408
Unclassified	1,545	1,480	1,480	1,480	1,480	1,480	1,480	1,480
Undergraduates	570	526	526	526	526	526	526	526
Graduates	975	954	954	954	954	954	954	954
HIGH SERIES TOTAL	17,263	17,462	17,617	17,745	17,864	18,042	18,293	18,647
Classified	15,718	15,917	16,072	16,200	16,319	16,497	16,748	17,102
Undergraduates	11,151	11,317	11,494	11,644	11,784	11,983	12,255	12,629
First-Time Freshmen	1,607	1,686	1,689	1,686	1,734	1,830	1,921	2,047
Continuing / Returning	8,307	8,322	8,496	8,649	8,741	8,844	9,025	9,273
Transfer	1,237	1,309	1,309	1,309	1,309	1,309	1,309	1,309
Graduates	4,567	4,600	4,578	4,556	4,535	4,514	4,493	4,473
Unclassified	1,545	1,545	1,545	1,545	1,545	1,545	1,545	1,545
Undergraduates	570	570	570	570	570	570	570	570
Graduates	975	975	975	975	975	975	975	975

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 HAWAI'I AT MANOA
FALL 1994 TO FALL 2007

	ACTUAL							PROJECTED						
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
TOTAL HEADCOUNT 1/	20,041	19,801	18,252	17,365	17,013	17,612	17,263	17,220	17,242	17,228	17,221	17,276	17,394	17,594
CLASSIFIED	18,421	18,270	17,005	16,296	16,008	16,199	15,718	15,740	15,762	15,748	15,741	15,796	15,914	16,114
UNDERGRADUATES	12,903	13,050	12,216	11,782	11,500	11,458	11,151	11,185	11,233	11,244	11,262	11,341	11,483	11,706
FRESHMEN	2,217	2,295	1,913	1,920	1,923	1,925	2,014	2,032	2,024	2,002	2,023	2,094	2,164	2,258
SOPHOMORES	2,360	2,376	2,227	2,074	2,037	2,019	2,030	2,095	2,110	2,103	2,085	2,103	2,162	2,221
JUNIORS	3,252	3,227	3,116	2,996	2,822	2,761	2,669	2,711	2,780	2,796	2,788	2,769	2,788	2,851
SENIORS	5,074	5,152	4,960	4,792	4,718	4,753	4,438	4,347	4,319	4,343	4,366	4,375	4,369	4,376
FIRST-TIME FRESHMEN	1,706	1,778	1,436	1,527	1,483	1,529	1,607	1,612	1,603	1,583	1,608	1,674	1,732	1,815
DIRECT FROM HI PUBLIC HS	1,077	1,132	874	957	924	879	826	816	805	767	781	811	826	848
DIRECT FROM HI PRIVATE HS	469	484	405	422	417	437	452	443	418	407	386	386	390	408
FROM U.S. MAINLAND HS	90	86	85	90	87	136	243	267	294	323	355	391	430	473
OTHER FIRST-TIME FRESHMEN 2/	70	76	72	58	55	77	86	86	86	86	86	86	86	86
CONTINUING / RETURNING	9,934	9,901	9,699	9,002	8,755	8,548	8,307	8,280	8,337	8,368	8,361	8,374	8,458	8,598
FRESHMEN	373	369	396	274	321	272	288	299	300	298	294	299	311	322
SOPHOMORES	1,900	1,904	1,885	1,668	1,614	1,595	1,636	1,691	1,706	1,699	1,681	1,699	1,758	1,817
JUNIORS	2,735	2,638	2,615	2,417	2,275	2,182	2,141	2,164	2,233	2,249	2,241	2,222	2,241	2,304
SENIORS	4,926	4,990	4,803	4,643	4,545	4,499	4,242	4,126	4,098	4,122	4,145	4,154	4,148	4,155
TRANSFER	1,263	1,371	1,081	1,253	1,262	1,381	1,237	1,293	1,293	1,293	1,293	1,293	1,293	1,293
FRESHMEN	138	148	81	119	119	124	119	121	121	121	121	121	121	121
SOPHOMORES	460	472	342	406	423	424	394	404	404	404	404	404	404	404
JUNIORS	517	589	501	579	547	579	528	547	547	547	547	547	547	547
SENIORS	148	162	157	149	173	254	196	221	221	221	221	221	221	221
GRADUATES 3/	5,518	5,220	4,789	4,514	4,508	4,741	4,567	4,555	4,529	4,504	4,479	4,455	4,431	4,408
MASTERS	3,115	3,054	2,934	2,704	2,697	2,844	2,765	2,769	2,769	2,769	2,769	2,769	2,769	2,769
DOCTORATE	1,425	1,372	1,275	1,271	1,234	1,217	1,179	1,152	1,126	1,101	1,076	1,052	1,028	1,005
FIRST-PROFESSIONAL	450	453	456	448	458	476	485	482	482	482	482	482	482	482
PROFESSIONAL DIPLOMA / POST-BACH	461	272	80	48	61	151	90	101	101	101	101	101	101	101
GRADUATE SPECIAL	67	69	44	43	58	53	48	51	51	51	51	51	51	51
UNCLASSIFIED	1,620	1,531	1,247	1,069	1,005	1,413	1,545	1,480	1,480	1,480	1,480	1,480	1,480	1,480
UNDERGRADUATES 4/	403	362	317	256	294	481	570	526	526	526	526	526	526	526
GRADUATES	1,217	1,169	930	813	711	932	975	954	954	954	954	954	954	954

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

2/ Includes students from the US Possessions and Foreign Countries, and students from Hawai'i who graduated from high school prior to the 1999-2000 academic year.

3/ Breakout by degree objective for 1st Prof, PD/PB and Graduate Special added Fall 2000.

4/ Includes No Data.

TABLE 3
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MANOA
FALL 2000 TO FALL 2007

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
Campus Total 1/	17,263	17,220	17,242	17,228	17,221	17,276	17,394	17,594
Lower Division 2/	4,614	4,653	4,660	4,631	4,634	4,723	4,852	5,005
Upper Division	7,107	7,058	7,099	7,139	7,154	7,144	7,157	7,227
Graduate Level 3/	5,542	5,509	5,483	5,458	5,433	5,409	5,385	5,362
Classified	15,718	15,740	15,762	15,748	15,741	15,796	15,914	16,114
Undergraduates	11,151	11,185	11,233	11,244	11,262	11,341	11,483	11,706
Lower Division	4,044	4,127	4,134	4,105	4,108	4,197	4,326	4,479
Upper Division	7,107	7,058	7,099	7,139	7,154	7,144	7,157	7,227
Graduates	4,567	4,555	4,529	4,504	4,479	4,455	4,431	4,408
Unclassified	1,545	1,480	1,480	1,480	1,480	1,480	1,480	1,480
Undergraduate (Lower Division)	570	526	526	526	526	526	526	526
Graduate Level	975	954	954	954	954	954	954	954
COLLEGE OF ARTS & SCIENCES	9,682	9,727	9,760	9,745	9,743	9,797	9,917	10,089
Lower Division	3,530	3,602	3,608	3,581	3,585	3,662	3,779	3,911
Upper Division	4,368	4,350	4,387	4,412	4,416	4,405	4,418	4,468
Graduate Level	1,784	1,775	1,765	1,752	1,742	1,730	1,720	1,710
Arts & Humanities	1,174	1,168	1,171	1,170	1,170	1,172	1,180	1,189
Lower Division	185	187	188	186	186	191	200	205
Upper Division	644	638	642	645	647	646	647	653
Graduate Level	345	343	341	339	337	335	333	331
Languages, Ling & Lit	887	884	884	884	883	880	883	887
Lower Division	94	96	96	96	96	97	101	103
Upper Division	408	405	407	410	411	410	411	415
Graduate Level	385	383	381	378	376	373	371	369
Natural Sciences	1,815	1,819	1,823	1,821	1,817	1,823	1,840	1,868
Lower Division	505	517	517	513	513	524	540	561
Upper Division	922	916	922	927	925	923	926	935
Graduate Level	388	386	384	381	379	376	374	372
Social Sciences	2,061	2,056	2,058	2,058	2,058	2,058	2,066	2,083
Lower Division	300	307	308	305	306	311	321	332
Upper Division	1,125	1,116	1,121	1,128	1,131	1,130	1,132	1,142
Graduate Level	636	633	629	625	621	617	613	609
General Arts & Sciences	3,584	3,642	3,666	3,655	3,657	3,706	3,790	3,904
Lower Division	2,446	2,495	2,499	2,481	2,484	2,539	2,617	2,710
Upper Division	1,138	1,147	1,167	1,174	1,173	1,167	1,173	1,194
Other Arts & Sciences	161	158	158	157	158	158	158	158
Upper Division	131	128	128	128	129	129	129	129
Graduate Level	30	30	30	29	29	29	29	29
SCH OF HAWN, ASIAN & PAC ST	227	226	226	225	226	225	226	227
Lower Division	30	31	31	31	31	31	32	33
Upper Division	106	104	105	105	106	106	106	107
Graduate Level	91	91	90	89	89	88	88	87

TABLE 3 (cont.)

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
SCH OF OCEAN & EARTH SCI TECH.	270	269	269	268	267	268	266	269
Lower Division	37	38	38	38	38	39	39	41
Upper Division	59	58	59	59	59	60	59	61
Graduate Level	174	173	172	171	170	169	168	167
SCHOOL OF ARCHITECTURE	210	209	209	210	210	210	211	214
Lower Division	48	49	49	49	49	50	51	53
Upper Division	123	122	122	123	123	123	123	124
Graduate Level	19	19	19	19	19	18	18	18
1st Professional (ArchD)	20	19	19	19	19	19	19	19
COLLEGE OF BUSINESS ADMIN	1,202	1,191	1,188	1,191	1,189	1,189	1,187	1,190
Upper Division	796	787	788	792	795	795	796	802
Graduate Level	406	404	400	399	394	394	391	388
SCH OF TRAVEL INDUSTRY MGT	304	304	304	306	306	306	309	314
Lower Division	83	85	85	85	84	86	88	92
Upper Division	201	199	199	201	202	201	202	203
Graduate Level	20	20	20	20	20	19	19	19
COLLEGE OF EDUCATION	1,189	1,191	1,186	1,182	1,179	1,176	1,171	1,169
Lower Division	3	3	3	3	3	3	3	3
Upper Division	367	362	361	362	364	365	364	366
Graduate Level	729	725	721	716	711	707	703	699
Post Baccalaureate	90	101	101	101	101	101	101	101
COLLEGE OF ENGINEERING	705	706	707	706	708	712	718	728
Lower Division	217	221	222	220	221	226	232	240
Upper Division	340	338	339	341	343	342	343	346
Graduate Level	148	147	146	145	144	144	143	142
COLLEGE OF TROP AG & HUM RES	614	610	610	613	611	614	614	620
Lower Division	89	91	91	91	90	93	95	99
Upper Division	389	384	385	388	388	389	388	391
Graduate Level	136	135	134	134	133	132	131	130
SCHOOL OF MEDICINE	433	427	427	426	426	425	424	423
Lower Division	1	1	1	1	1	1	1	1
Upper Division	55	54	55	55	55	55	55	55
Graduate Level	142	141	140	139	139	138	137	136
1st Professional (MD)	235	231	231	231	231	231	231	231
SCHOOL OF NURSING	348	345	343	344	345	345	344	345
Lower Division	6	6	6	6	6	6	6	6
Upper Division	263	260	259	260	262	262	262	263
Graduate Level	79	79	78	78	77	77	76	76
SCHOOL OF PUBLIC HEALTH	42	42	42	41	41	41	40	40
Graduate Level	42	42	42	41	41	41	40	40
SCHOOL OF SOCIAL WORK	262	261	259	259	258	256	255	254
Upper Division	40	40	40	41	41	41	41	41
Graduate Level	222	221	219	218	217	215	214	213
SCHOOL OF LAW	242	244	244	244	244	244	244	244
1st Professional	230	232	232	232	232	232	232	232
1st Professional (Pre-Law, Uncls)	12	12	12	12	12	12	12	12

1/ Total enrollment includes both regular and special students.

2/ Includes Unclassified Undergraduates.

3/ Include Unclassified Graduates.

TABLE 4
STUDENT SEMESTER HOURS OFFERED, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MANOA
FALL 2000 TO FALL 2007

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
TOTAL	191,238	191,060	191,450	191,342	191,406	192,282	193,977	196,710
Lower Division	88,635	89,263	89,615	89,419	89,491	90,533	92,221	94,523
Upper Division	67,516	66,853	67,067	67,325	67,458	67,450	67,623	68,214
Graduate Level	35,087	34,944	34,768	34,598	34,457	34,299	34,133	33,973
COLLEGE OF ARTS & SCIENCES 1/	117,293	117,524	117,927	117,805	117,864	118,695	120,236	122,485
Lower Division	73,485	74,045	74,332	74,158	74,218	75,107	76,547	78,491
Upper Division	34,409	34,133	34,296	34,414	34,463	34,458	34,606	34,962
Graduate Level	9,399	9,346	9,299	9,233	9,183	9,130	9,083	9,032
Arts & Humanities	30,152	30,205	30,310	30,273	30,304	30,555	30,994	31,599
Lower Division	19,500	19,637	19,708	19,656	19,677	19,932	20,339	20,862
Upper Division	9,091	9,017	9,060	9,083	9,100	9,103	9,143	9,234
Graduate Level	1,561	1,551	1,542	1,534	1,527	1,520	1,512	1,503
Languages, Ling & Lit	28,929	28,981	29,082	29,065	29,084	29,252	29,608	30,128
Lower Division	18,709	18,825	18,898	18,869	18,886	19,069	19,391	19,836
Upper Division	8,110	8,058	8,096	8,123	8,136	8,135	8,180	8,266
Graduate Level	2,110	2,098	2,088	2,073	2,062	2,048	2,037	2,026
Natural Sciences	27,683	27,821	27,922	27,865	27,856	28,097	28,509	29,117
Lower Division	20,829	21,022	21,110	21,055	21,065	21,329	21,739	22,316
Upper Division	4,662	4,619	4,641	4,657	4,651	4,643	4,655	4,697
Graduate Level	2,192	2,180	2,171	2,153	2,140	2,125	2,115	2,104
Social Sciences 1/	29,680	29,659	29,754	29,748	29,765	29,924	30,241	30,732
Lower Division	13,896	14,000	14,054	14,019	14,031	14,206	14,490	14,868
Upper Division	12,325	12,219	12,279	12,331	12,355	12,356	12,407	12,540
Graduate Level	3,459	3,440	3,421	3,398	3,379	3,362	3,344	3,324
Other Arts & Sciences	849	858	859	854	855	867	884	909
Lower Division	551	561	562	559	559	571	588	609
Upper Division	221	220	220	220	221	221	221	225
Graduate Level	77	77	77	75	75	75	75	75
SCH OF HAWN, ASIAN & PAC ST	2,001	1,995	1,999	1,994	1,999	2,004	2,021	2,050
Lower Division	960	962	966	963	965	975	990	1,013
Upper Division	643	635	640	640	643	643	645	654
Graduate Level	398	398	393	391	391	386	386	383
SCH OF OCEAN & EARTH SCI TECH	4,524	4,511	4,519	4,502	4,499	4,528	4,568	4,642
Lower Division	2,669	2,676	2,686	2,676	2,679	2,711	2,761	2,831
Upper Division	664	653	657	657	657	660	658	668
Graduate Level	1,191	1,182	1,176	1,169	1,163	1,157	1,149	1,143
SCHOOL OF ARCHITECTURE	2,269	2,257	2,258	2,267	2,267	2,267	2,281	2,309
Lower Division	853	857	858	859	859	865	877	895
Upper Division	1,224	1,213	1,213	1,221	1,221	1,219	1,221	1,231
Graduate Level	192	187	187	187	187	183	183	183

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
COLLEGE OF BUSINESS ADMIN	14,492	14,360	14,361	14,392	14,387	14,407	14,438	14,540
Lower Division	2,397	2,412	2,427	2,425	2,426	2,448	2,487	2,546
Upper Division	8,982	8,857	8,870	8,912	8,939	8,937	8,949	9,014
Graduate Level	3,113	3,091	3,064	3,055	3,022	3,022	3,002	2,980
SCH OF TRAVEL INDUSTRY MGT	2,233	2,218	2,219	2,235	2,240	2,232	2,248	2,267
Lower Division	521	522	523	525	524	527	535	545
Upper Division	1,591	1,575	1,575	1,589	1,595	1,588	1,596	1,605
Graduate Level	121	121	121	121	121	117	117	117
COLLEGE OF EDUCATION	13,795	13,708	13,696	13,684	13,678	13,670	13,652	13,698
Lower Division	1,278	1,275	1,282	1,281	1,282	1,288	1,301	1,323
Upper Division	7,832	7,732	7,731	7,745	7,762	7,768	7,757	7,800
Graduate Level	4,685	4,701	4,683	4,658	4,634	4,614	4,594	4,575
COLLEGE OF ENGINEERING	4,628	4,607	4,614	4,623	4,636	4,636	4,653	4,690
Lower Division	1,095	1,099	1,103	1,103	1,108	1,116	1,130	1,151
Upper Division	2,727	2,707	2,715	2,728	2,742	2,734	2,742	2,763
Graduate Level	806	801	796	792	786	786	781	776
COLLEGE OF TROP AG & HUM RES	8,868	8,857	8,889	8,909	8,903	8,959	9,034	9,179
Lower Division	3,846	3,882	3,897	3,889	3,889	3,941	4,019	4,122
Upper Division	4,421	4,379	4,399	4,427	4,425	4,433	4,434	4,481
Graduate Level	601	596	593	593	589	585	581	576
SCHOOL OF MEDICINE	10,565	10,479	10,459	10,420	10,418	10,391	10,375	10,377
Lower Division	1,221	1,227	1,235	1,233	1,233	1,246	1,265	1,295
Upper Division	1,963	1,942	1,953	1,956	1,954	1,953	1,958	1,969
Graduate Level	7,381	7,310	7,271	7,231	7,231	7,192	7,152	7,113
SCHOOL OF NURSING	3,442	3,407	3,391	3,402	3,417	3,417	3,412	3,423
Lower Division	220	218	217	218	219	219	219	220
Upper Division	2,710	2,678	2,669	2,679	2,700	2,700	2,700	2,710
Graduate Level	512	511	505	505	498	498	493	493
SCHOOL OF PUBLIC HEALTH 2/	712	706	706	699	698	695	688	688
Graduate Level	712	706	706	699	698	695	688	688
SCHOOL OF SOCIAL WORK	2,744	2,729	2,710	2,708	2,698	2,679	2,669	2,660
Lower Division	90	88	89	89	89	90	90	91
Upper Division	350	349	349	357	357	357	357	357
Graduate Level	2,304	2,292	2,272	2,262	2,252	2,232	2,222	2,212
SCHOOL OF LAW	3,672	3,702	3,702	3,702	3,702	3,702	3,702	3,702
Graduate Level	3,672	3,702	3,702	3,702	3,702	3,702	3,702	3,702

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

2/ Health Science and Social Welfare is included with the School of Public Health.

TABLE 5
FULL-TIME EQUIVALENT COURSE ENROLLMENT SERVED, BY COLLEGE
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI AT MANOA
FALL 2000 TO FALL 2007

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
TOTAL	13,337	13,321	13,341	13,334	13,336	13,394	13,501	13,682
Lower Division	5,908	5,950	5,973	5,961	5,965	6,036	6,148	6,303
Upper Division	4,498	4,456	4,471	4,489	4,497	4,498	4,509	4,549
Graduate Level	2,931	2,915	2,897	2,884	2,874	2,860	2,844	2,830
COLLEGE OF ARTS & SCIENCES 1/	7,977	7,990	8,017	8,008	8,010	8,066	8,167	8,316
Lower Division	4,898	4,935	4,955	4,944	4,947	5,007	5,103	5,233
Upper Division	2,291	2,276	2,287	2,295	2,298	2,298	2,307	2,331
Graduate Level	788	779	775	769	765	761	757	752
Arts & Humanities	2,037	2,039	2,047	2,044	2,046	2,063	2,092	2,132
Lower Division	1,300	1,309	1,314	1,310	1,312	1,329	1,356	1,391
Upper Division	606	601	604	606	607	607	610	616
Graduate Level	131	129	129	128	127	127	126	125
Languages, Ling & Lit	1,965	1,967	1,974	1,973	1,973	1,984	2,008	2,042
Lower Division	1,247	1,255	1,260	1,258	1,259	1,271	1,293	1,322
Upper Division	540	537	540	542	542	542	545	551
Graduate Level	178	175	174	173	172	171	170	169
Natural Sciences	1,882	1,891	1,897	1,893	1,892	1,909	1,935	1,976
Lower Division	1,388	1,401	1,407	1,404	1,404	1,422	1,449	1,488
Upper Division	311	308	309	310	310	310	310	313
Graduate Level	183	182	181	179	178	177	176	175
Social Sciences 1/	2,034	2,035	2,041	2,040	2,041	2,051	2,072	2,104
Lower Division	926	933	937	935	935	947	966	991
Upper Division	819	815	819	822	824	824	827	836
Graduate Level	289	287	285	283	282	280	279	277
Other Arts & Sciences	59	58	58	58	58	59	60	62
Lower Division	37	37	37	37	37	38	39	41
Upper Division	15	15	15	15	15	15	15	15
Graduate Level	7	6	6	6	6	6	6	6
SCH OF HAWN, ASIAN & PAC ST	140	139	140	140	140	140	141	144
Lower Division	64	64	64	64	64	65	66	68
Upper Division	43	42	43	43	43	43	43	44
Graduate Level	33	33	33	33	33	32	32	32
SCH OF OCEAN & EARTH SCI TECH	322	321	321	319	320	321	324	329
Lower Division	177	178	179	178	179	181	184	189
Upper Division	45	44	44	44	44	44	44	45
Graduate Level	100	99	98	97	97	96	96	95
SCHOOL OF ARCHITECTURE	155	154	154	154	154	154	154	157
Lower Division	57	57	57	57	57	58	58	60
Upper Division	82	81	81	81	81	81	81	82
Graduate Level	16	16	16	16	16	15	15	15

TABLE 5 (cont.)

COLLEGE	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
COLLEGE OF BUSINESS ADMIN	1,017	1,009	1,008	1,011	1,010	1,011	1,013	1,019
Lower Division	159	161	162	162	162	163	166	170
Upper Division	598	590	591	594	596	596	597	601
Graduate Level	260	258	255	255	252	252	250	248
SCH OF TRAVEL INDUSTRY MGT	151	150	150	151	151	151	152	153
Lower Division	35	35	35	35	35	35	36	36
Upper Division	106	105	105	106	106	106	106	107
Graduate Level	10	10	10	10	10	10	10	10
COLLEGE OF EDUCATION	1,001	992	990	989	988	989	987	989
Lower Division	86	85	85	85	85	86	87	88
Upper Division	523	515	515	516	517	518	517	520
Graduate Level	392	392	390	388	386	385	383	381
COLLEGE OF ENGINEERING	322	320	321	322	323	322	323	326
Lower Division	74	73	74	74	74	74	75	77
Upper Division	181	180	181	182	183	182	183	184
Graduate Level	67	67	66	66	66	66	65	65
COLLEGE OF TROP AG & HUM RES	602	601	602	603	603	608	612	622
Lower Division	256	259	260	259	259	263	268	275
Upper Division	296	292	293	295	295	296	296	299
Graduate Level	50	50	49	49	49	49	48	48
SCHOOL OF MEDICINE	826	820	818	815	815	812	811	810
Lower Division	81	82	82	82	82	83	84	86
Upper Division	130	129	130	130	130	130	131	131
Graduate Level	615	609	606	603	603	599	596	593
SCHOOL OF NURSING	238	237	234	236	237	237	236	237
Lower Division	15	15	14	15	15	15	15	15
Upper Division	180	179	178	179	180	180	180	181
Graduate Level	43	43	42	42	42	42	41	41
SCHOOL OF PUBLIC HEALTH 2/	59	59	59	58	58	58	57	57
Graduate Level	59	59	59	58	58	58	57	57
SCHOOL OF SOCIAL WORK	221	220	218	219	218	216	215	214
Lower Division	6	6	6	6	6	6	6	6
Upper Division	23	23	23	24	24	24	24	24
Graduate Level	192	191	189	189	188	186	185	184
SCHOOL OF LAW	306	309	309	309	309	309	309	309
Graduate Level	306	309	309	309	309	309	309	309

1/ Military Studies is included with Social Sciences, College of Arts & Sciences.
2/ Health Science and Social Welfare is included with the School of Public Health.

TABLE 6
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY ATTENDANCE STATUS
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAI‘I AT MANOA
FALL 2000 TO FALL 2007

ATTENDANCE STATUS	ACTUAL 2000	PROJECTED 2001	2002	2003	2004	2005	2006	2007
TOTAL	17,263	17,220	17,242	17,228	17,221	17,276	17,394	17,594
Full-time.....	12,192	12,159	12,176	12,165	12,161	12,200	12,282	12,423
Lower Division	4,183	4,034	4,040	4,036	4,035	4,048	4,075	4,122
Upper Division	5,495	5,598	5,605	5,600	5,598	5,616	5,654	5,719
Graduate Level	2,514	2,527	2,531	2,529	2,528	2,536	2,553	2,582
Part-time	5,071	5,061	5,066	5,063	5,060	5,076	5,112	5,171
Lower Division 1/	431	431	430	431	429	430	434	440
Upper Division	1,612	1,620	1,622	1,621	1,621	1,626	1,637	1,656
Graduate Level	3,028	3,010	3,014	3,011	3,010	3,020	3,041	3,075

1/ Includes No Data.

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

APPENDIX A
HAWAIʻI PUBLIC HIGH SCHOOL SENIORS, BY SCHOOL DISTRICT
1993-94 TO 2006-07

SCHOOL DISTRICT	ACTUAL 1/							PROJECTED 2/						
	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
TOTAL	9,517	9,753	9,671	9,033	9,459	9,523	9,698	9,306	9,150	8,799	8,958	9,290	9,455	9,690
O'ahu Districts	6,380	6,442	6,285	5,899	6,130	6,117	6,247	5,836	5,763	5,472	5,560	5,824	5,936	6,102
Honolulu District	1,991	1,927	1,858	1,774	1,779	1,793	1,917	1,791	1,799	1,626	1,692	1,700	1,763	1,801
Central District	1,801	1,945	1,933	1,742	1,819	1,744	1,715	1,570	1,527	1,528	1,522	1,600	1,587	1,635
Leeward District	1,536	1,505	1,464	1,372	1,516	1,580	1,552	1,502	1,471	1,402	1,431	1,604	1,606	1,702
Windward District	1,052	1,065	1,030	1,011	1,016	1,000	1,063	973	966	916	915	920	980	964
Neighbor Island Districts..	3,137	3,311	3,386	3,134	3,329	3,406	3,451	3,470	3,387	3,327	3,398	3,466	3,519	3,588
Hawaiʻi District	1,455	1,568	1,531	1,487	1,564	1,570	1,653	1,611	1,556	1,576	1,546	1,538	1,561	1,580
Maui District	1,040	1,089	1,127	1,004	1,105	1,168	1,185	1,210	1,199	1,177	1,197	1,267	1,236	1,305
Kauaʻi District	642	654	728	643	660	668	613	649	632	574	655	661	722	703

1/ Department of Education for the State of Hawaiʻi.

2/ Department of Education, "Statewide Enrollment Projections, 2000-01 to 2004-05", January 2000.

Note: Data for 2005-06 & 2006-07 have been extrapolated from DOE forecast for sophomores and juniors.

APPENDIX B
HAWAI'I HIGH SCHOOL GRADUATES
WICHE ACTUAL AND PROJECTED - 1998 SERIES

Year	Total	% Cge	Public	% Cge	Private	% Cge
1986	12,468		9,958		2,510	
1987	13,102	5.1	10,491	5.4	2,611	4.0
1988	13,400	2.3	10,751	2.5	2,649	1.5
1989	13,059	-2.5	10,551	-1.9	2,508	-5.3
1990	11,908	-8.8	9,526	-9.7	2,382	-5.0
1991	11,896	-0.1	9,519	-0.1	2,377	-0.2
1992	11,970	0.6	9,610	1.0	2,360	-0.7
1993	11,585	-3.2	9,284	-3.4	2,301	-2.5
1994	12,337	6.5	9,900	6.6	2,437	5.9
1995	12,359	0.2	9,972	0.7	2,387	-2.1
1996	12,441	0.7	9,992	0.2	2,449	2.6
1997	12,125	-2.5	9,562	-4.3	2,563	4.7
1998	13,312	9.8	10,758	12.5	2,554	-0.4
1999	14,063	5.6	11,399	6.0	2,664	4.3
2000	13,922	-1.0	11,230	-1.5	2,692	1.1
2001	14,043	0.9	11,386	1.4	2,657	-1.3
2002	13,931	-0.8	11,424	0.3	2,507	-5.6
2003	13,651	-2.0	11,214	-1.8	2,437	-2.8
2004	13,835	1.3	11,524	2.8	2,311	-5.2
2005	13,958	0.9	11,647	1.1	2,311	0.0
2006	14,343	2.8	12,004	3.1	2,339	1.2
2007	14,799	3.2	12,355	2.9	2,444	4.5
2008	15,564	5.2	12,979	5.1	2,585	5.8
2009	15,134	-2.8	12,620	-2.8	2,514	-2.7
2010	15,091	-0.3	12,584	-0.3	2,507	-0.3
2011	14,883	-1.4	12,411	-1.4	2,472	-1.4
2012	14,826	-0.4	12,363	-0.4	2,463	-0.4

Note: Horizontal line delimits actual from projected numbers.

Note: WICHE "Actual" 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, February 1998.