ENROLLMENT PROJECTIONS

UNIVERSITY OF HAWAIʻI - WEST OʻAHU

FALL 2004 TO FALL 2010

Institutional Research Office

University of Hawaiʻi

July 2004

File Reference: Management and Planning Support Folder, Projections

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

ENROLLMENT PROJECTIONS
UNIVERSITY OF HAWAIʻI-WEST OʻAHU
FALL 2004 TO FALL 2010

INTRODUCTION

This report presents information on actual and projected headcount enrollment for the University of Hawaiʻi-West Oʻahu. 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 unduplicated headcounts of students enrolled in credit programs. Counts include both those students enrolled in degree programs as well as unclassified students. Counts also include both on-campus as well as distance education enrollments. Historical data are included in the charts and tables to facilitate comparison and analysis. They were extracted from student enrollment, academic crossover and course registration data files.

METHODOLOGY

The projections are organized by registration status: transfer, returning and continuing students (UH-West Oʻahu does not enroll first-time students). Within these registration status categories, the enrollment projections are broken out by education level: junior, senior and unclassified. The Fall 2004 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 model from among the range of available values. Otherwise, the same general methodology is employed for all three series.

Transfer enrollment is forecast using enrollment trends for juniors, and constants for seniors and unclassified students. As the primary source of incoming students for the campus, transfer enrollment drives the projection model. The long-term upward trend in the junior data series provides for overall growth in enrollment. For the high series, junior enrollment is based upon the trend from 1985 to 2003; for the middle and low series, junior enrollment is based upon the trend from 1981 to 2003. Senior and unclassified students show no clear trends and are therefore set to constants for all three series.

Returning enrollment has been separated from continuing enrollment for the first time with the Fall 2004 projections. Returning students are previously enrolled students who have been absent for at least one semester (excluding summers) without having attended another institution in the interim. They are generally considered to be entering students. Total returning students are forecast using the trend from 1981 to 2003 for the high and middle series, and with a constant for the low series. The distribution by education level is made using two-year average ratios.

Continuing enrollment is projected using continuation rates by education level. 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. In this report, the continuation rate for juniors is calculated using the ratio of continuing juniors to the sum of the previous fall semester's enrollment of juniors and unclassified students. For seniors, the continuation rate is calculated using the ratio of continuing senior enrollment to the previous fall semester's total headcount. Unclassified enrollment is set to a constant.

In addition to the high, middle and low enrollment projection series given 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 and detailed forecasts by education level and registration status. Table 3 presents headcount enrollment by program. Student semester hours (SSH) 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 2003 data plus the projected enrollments for 2004 to 2010 as input, then forecast the counts by program using the Fall 2003 proportional distribution across programs. Headcount enrollment by attendance status is provided in Table 6. Distribution between full-time and part-time is based upon the Fall 2003 proportions.

ANALYSIS AND DISCUSSION

- Headcount enrollment at the University of Hawai‘i-West O‘ahu declined 2.9% in Fall 2003 to 810 students, a minor downturn after two years of very strong growth (Table 2 and Figure 1). Enrollment (middle series) is forecast to increase by 3.0% in Fall 2004 to reach 834 students, and to grow through Fall 2010 at an average annual rate of 2.3%. Resource constraints are expected to slow growth in on-campus enrollments, with greater growth potential in the distance education programs.

- The two alternate projection series allow for continued robust growth on the high side and flat enrollment on the low side (Table 1 and Figure 3). The high series forecasts a 6.2% increase in Fall 2004 and growth through Fall 2010 at an average annual rate of 3.6%. The low series sees enrollment declining 2.0% in Fall 2004 and growing at an average annual rate of less than 1% through Fall 2010.

- Enrollment of junior transfers declined 21% in Fall 2003 to 132, the lowest level since Fall 1996. However, this decline may be more apparent than real, in that the migration to a new student registration system which took place in Summer / Fall 2003 creates uncertainty with regard to the distribution of enrollment across education levels and registration status categories. Overall, unclassified enrollment increased 58% in Fall 2003, an increase which reflects the uncertainties in the new registration environment. Efforts to improve the data quality are on-going.

- Since the founding of the campus in 1977, enrollment at UH-West O‘ahu has had a strong upward growth trend (Figure 4). Overall enrollment has been forecast to parallel this trend. As a small campus, however, enrollment may be highly sensitive to campus policies and practices on admissions, as well as student retention. As there seems to be no lack of demand for services, concern in the near future may focus on the securing of additional resources.

Figure 1
Historical & Projected Headcount Enrollment

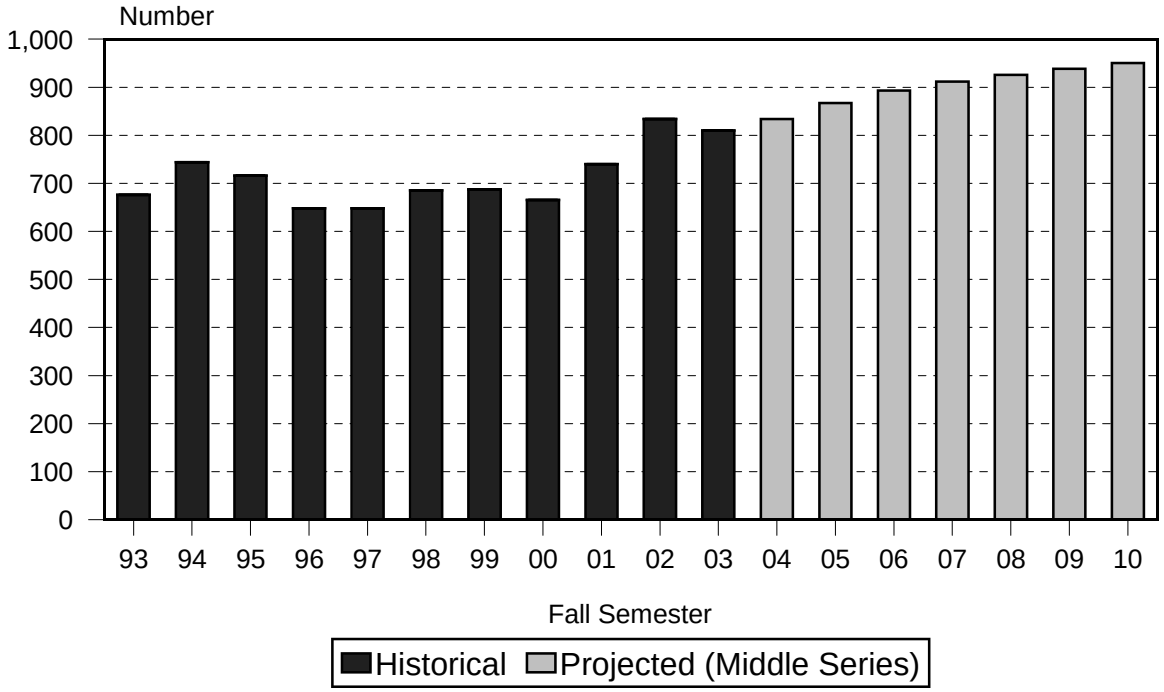

Figure 2
Enrollment Index

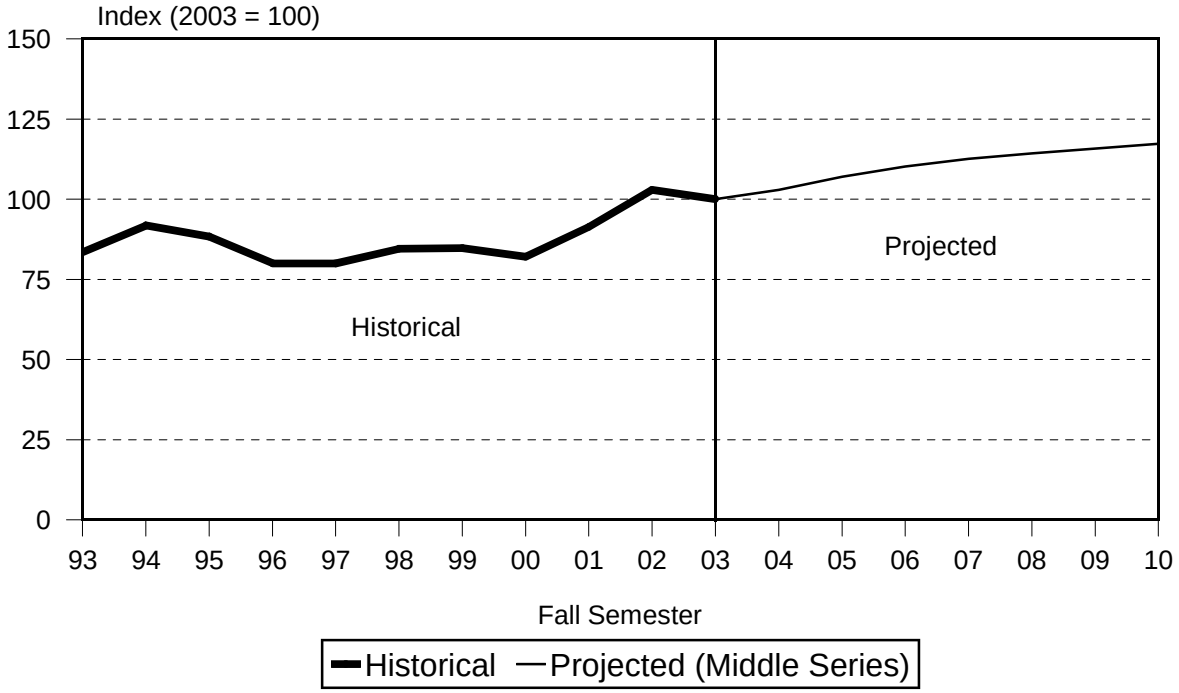

Figure 3
High, Middle and Low Projection Series

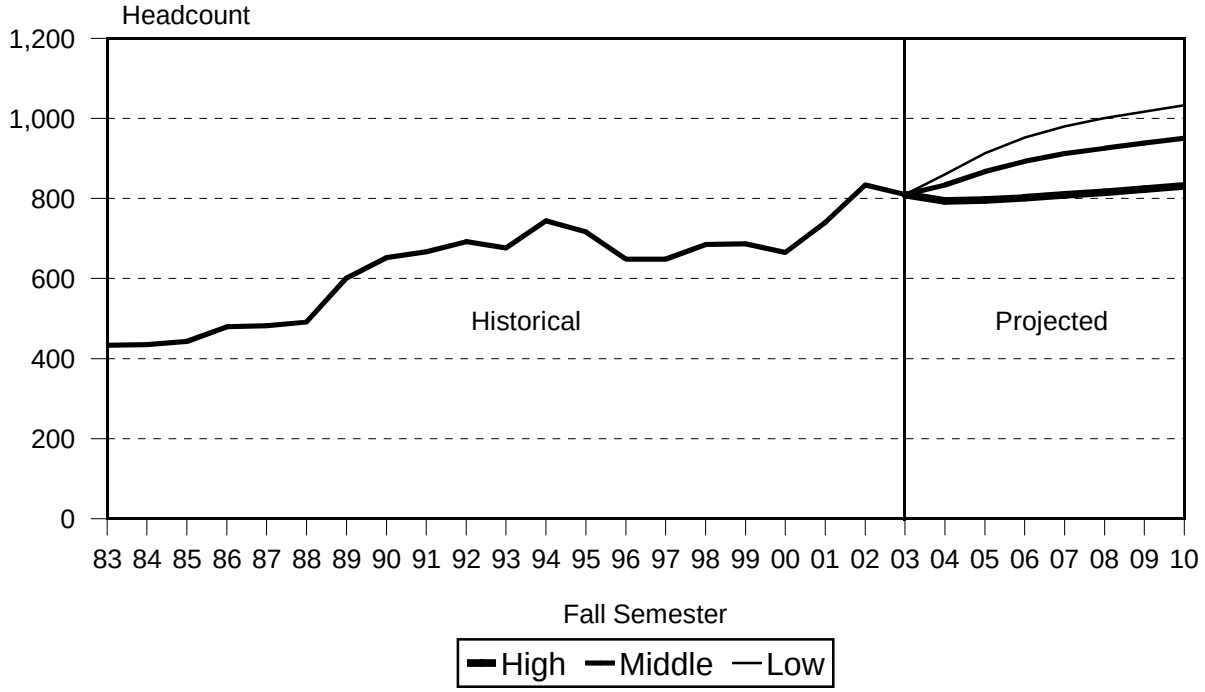

Figure 4
Historical Enrollment with Trend Line

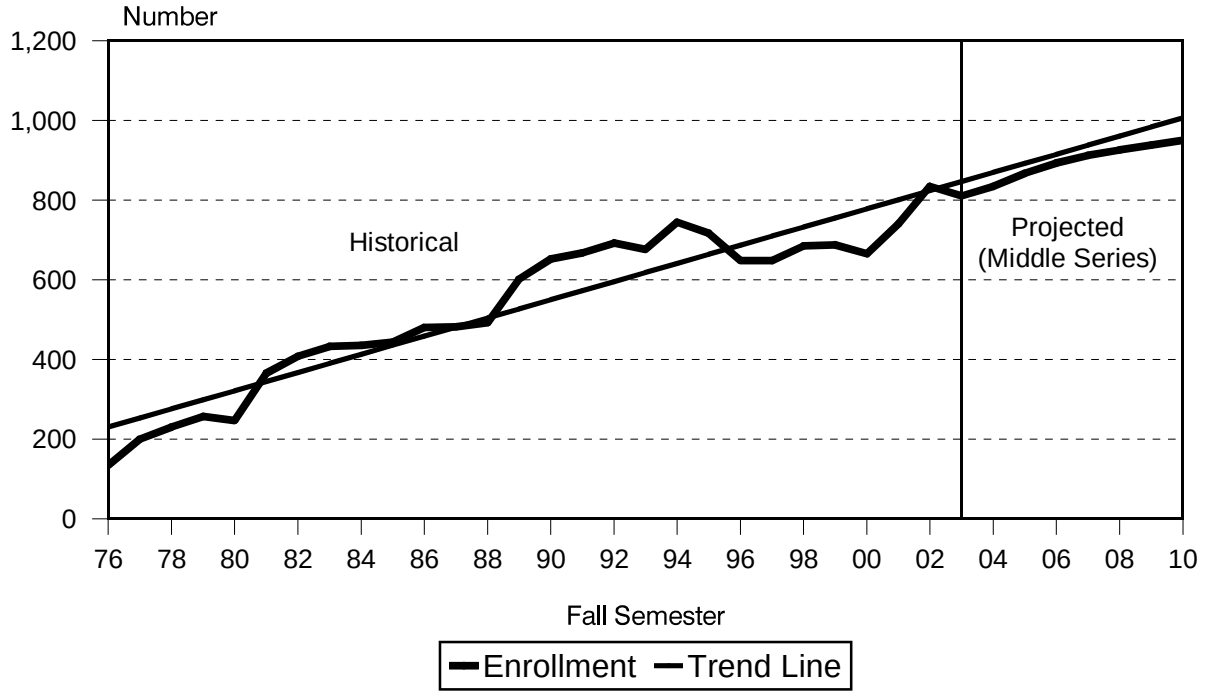

Figure 5
Transfer Enrollment

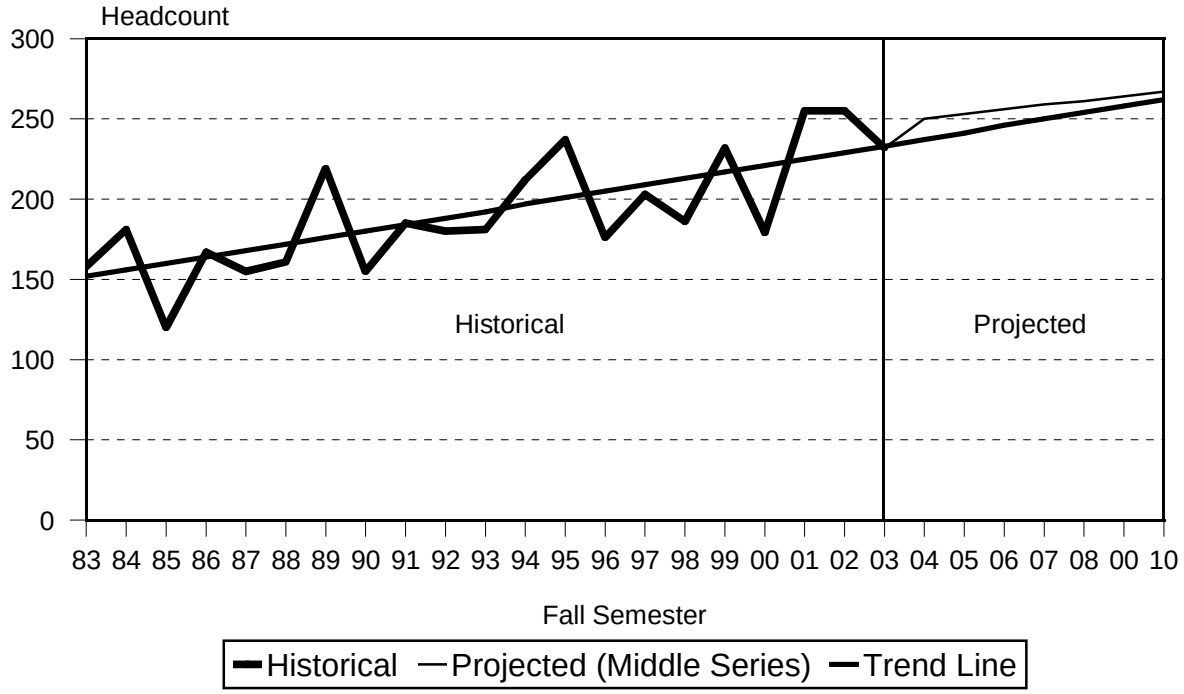

Figure 6
Returning Enrollment

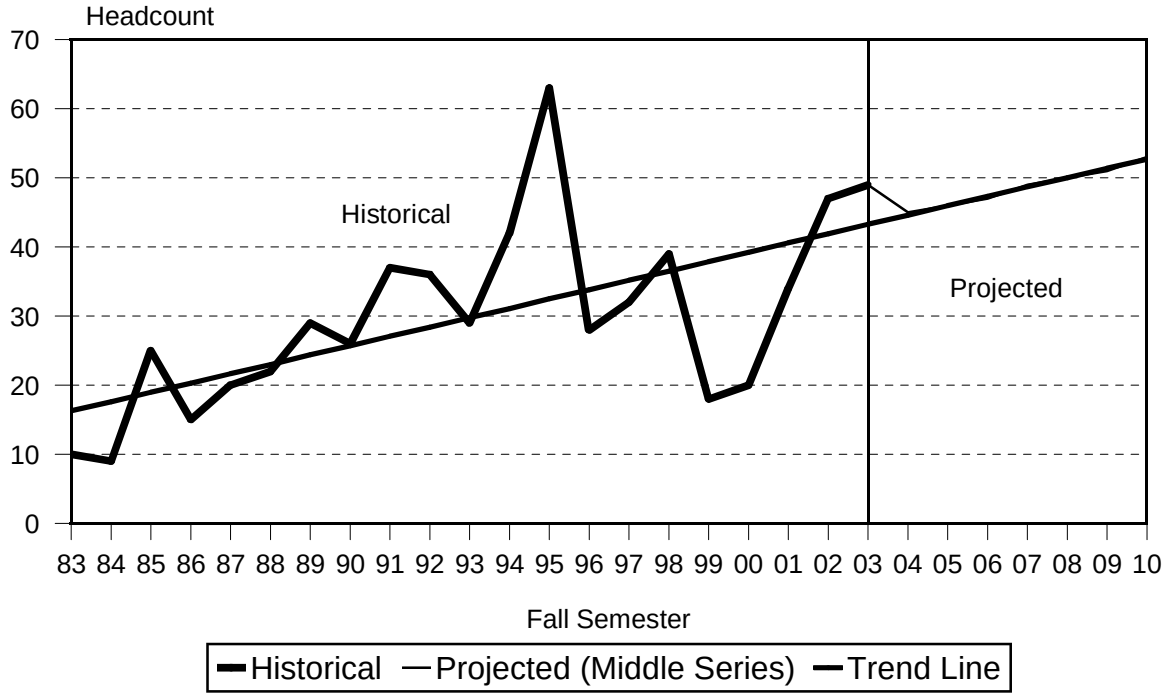

Figure 7
Continuing Enrollment

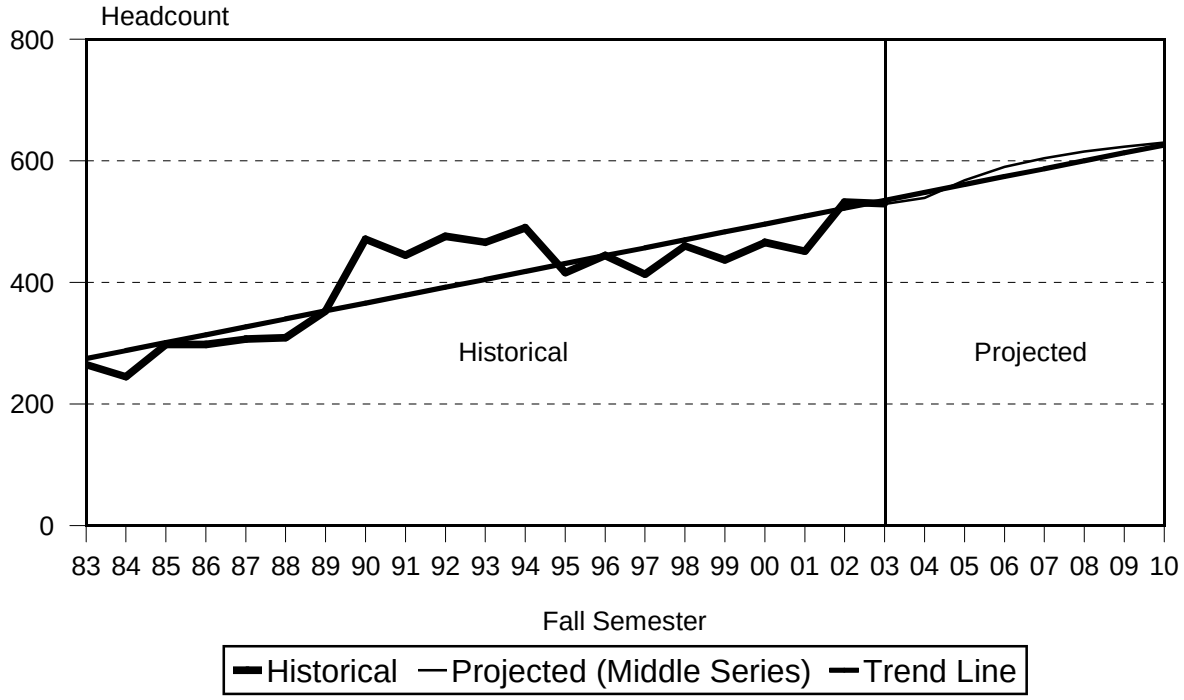

Figure 8
Enrollment by Education Level

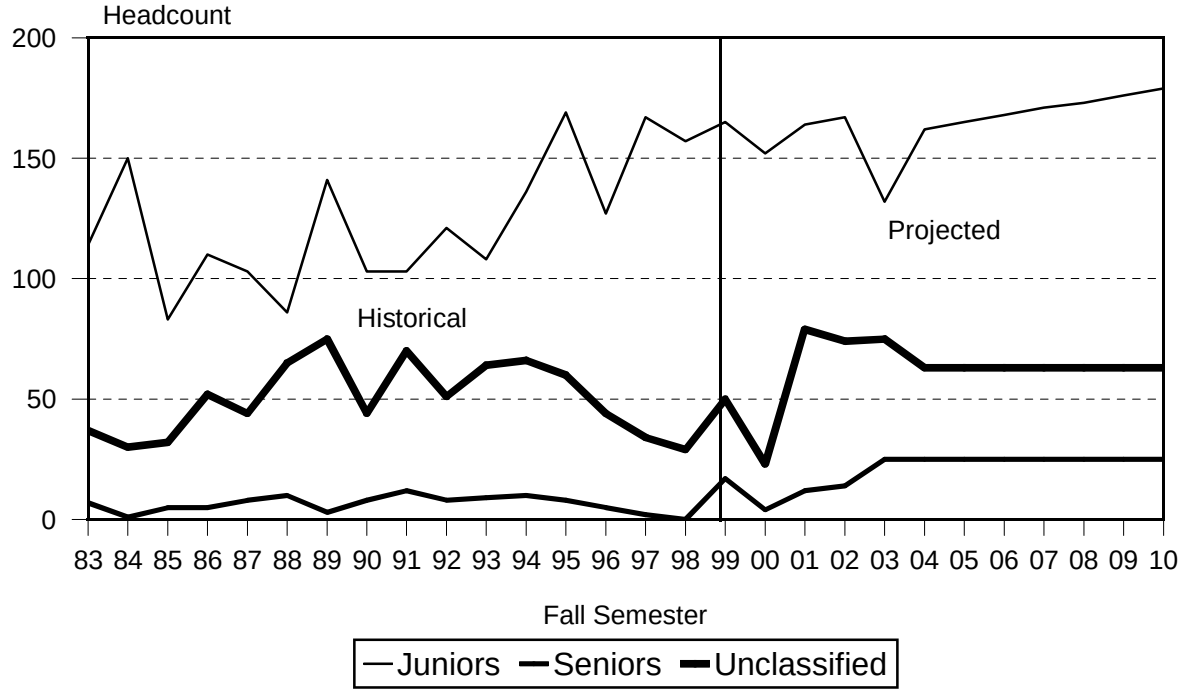

TABLE 1
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS
LOW, MIDDLE AND HIGH PROJECTION SERIES
UNIVERSITY OF HAWAIʻI-WEST OʻAHU
FALL 2003 TO FALL 2010

PROJECTION SERIES	ACTUAL 2003	PROJECTED 2004	2005	2006	2007	2008	2009	2010
HIGH SERIES TOTAL	810	860	913	952	980	1,001	1,017	1,033
Classified	636	717	770	809	836	857	873	889
Junior	274	378	413	432	445	454	463	472
Senior	362	339	357	377	391	403	410	417
Unclassified	174	143	143	143	144	144	144	144
Registration Status	810	860	913	952	980	1,001	1,017	1,033
Transfer	232	272	276	280	284	288	292	296
Returning	49	49	50	51	53	54	55	57
Continuing	529	539	587	621	643	659	670	680
MIDDLE SERIES TOTAL 1/	810	834	867	893	912	926	938	950
Classified	636	704	737	763	781	795	807	818
Junior	274	367	390	404	412	419	425	432
Senior	362	337	347	359	369	376	382	386
Unclassified	174	130	130	130	131	131	131	132
Registration Status	810	834	867	893	912	926	938	950
Transfer	232	250	253	256	259	261	264	267
Returning	49	45	46	47	49	50	51	53
Continuing	529	539	568	590	604	615	623	630
LOW SERIES TOTAL	810	794	796	802	809	815	823	831
Classified	636	679	681	687	694	700	708	716
Junior	274	344	352	357	362	366	371	376
Senior	362	335	329	330	332	334	337	340
Unclassified	174	115	115	115	115	115	115	115
Registration Status	810	794	796	802	809	815	823	831
Transfer	232	247	250	253	256	258	261	264
Returning	49	39	39	39	39	39	39	39
Continuing	529	508	507	510	514	518	523	528

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-WEST OʻAHU
FALL 1997 TO FALL 2010

REGISTRATION STATUS	HISTORICAL							PROJECTED						
EDUCATIONAL LEVEL AND	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
TOTAL	648	685	687	665	740	834	810	834	867	893	912	926	938	950
Classified	577	626	613	621	625	724	636	704	737	763	781	795	807	818
Junior	354	381	376	328	379	446	274	367	390	404	412	419	425	432
Senior	223	245	237	293	246	278	362	337	347	359	369	376	382	386
Unclassified 1/	71	59	74	44	115	110	174	130	130	130	131	131	131	132
Transfer	203	186	232	179	255	255	232	250	253	256	259	261	264	267
Junior	167	157	165	152	164	167	132	162	165	168	171	173	176	179
Senior	2	0	17	4	12	14	25	25	25	25	25	25	25	25
Unclassified	34	29	50	23	79	74	75	63	63	63	63	63	63	63
Returning	32	39	18	20	34	47	49	45	46	47	49	50	51	53
Junior	21	32	17	8	12	20	18	18	18	19	19	20	20	21
Senior	7	2	1	11	10	15	22	17	18	18	19	19	20	20
Unclassified	4	5	0	1	12	12	9	10	10	10	11	11	11	12
Continuing	413	460	437	466	451	532	529	539	568	590	604	615	623	630
Junior	166	192	194	168	203	259	124	187	207	217	222	226	229	232
Senior	214	243	219	278	224	249	315	295	304	316	325	332	337	341
Unclassified	33	25	24	20	24	24	90	57	57	57	57	57	57	57

1/ Includes any records with invalid data on education level.

Note: Counts by registration status for Fall 1999 have been adjusted for computer error, and therefore may not tie to figures reported elsewhere.

TABLE 3
HEADCOUNT ENROLLMENT, BY PROGRAM
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAI‘I-WEST O‘AHU
FALL 2003 TO FALL 2010

PROGRAM	ACTUAL 2003	PROJECTED 2004	2005	2006	2007	2008	2009	2010
TOTAL	810	834	867	893	912	926	938	950
Upper Division	810	834	867	893	912	926	938	950
Business Administration	213	236	247	256	262	266	270	274
Upper Division	213	236	247	256	262	266	270	274
Humanities	52	58	60	62	64	65	66	67
Upper Division	52	58	60	62	64	65	66	67
Public Administration	106	117	123	127	130	133	135	136
Upper Division	106	117	123	127	130	133	135	136
Social Sciences	264	292	306	317	324	330	335	340
Upper Division	264	292	306	317	324	330	335	340
General	1	1	1	1	1	1	1	1
Upper Division	1	1	1	1	1	1	1	1
Unclassified	174	130	130	130	131	131	131	132
Unclassified 1/	174	130	130	130	131	131	131	132

1/ Includes student records with invalid data on education level.

Note: At the present time, UH-West O‘ahu enrolls only upper division students.

TABLE 4
STUDENT SEMESTER HOURS OFFERED, BY PROGRAM
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI-WEST OʻAHU
FALL 2003 TO FALL 2010

PROGRAM	ACTUAL 2003	PROJECTED 2004	2005	2006	2007	2008	2009	2010
TOTAL	7,150	7,393	7,687	7,921	8,091	8,218	8,323	8,432
Upper Division	7,150	7,393	7,687	7,921	8,091	8,218	8,323	8,432
Business Admin	1,374	1,441	1,499	1,549	1,582	1,603	1,625	1,649
Upper Division	1,374	1,441	1,499	1,549	1,582	1,603	1,625	1,649
Humanities	1,210	1,252	1,295	1,333	1,366	1,386	1,404	1,423
Upper Division	1,210	1,252	1,295	1,333	1,366	1,386	1,404	1,423
Public Administration	1,297	1,342	1,401	1,439	1,470	1,499	1,518	1,532
Upper Division	1,297	1,342	1,401	1,439	1,470	1,499	1,518	1,532
Social Sciences	3,251	3,340	3,474	3,579	3,652	3,709	3,755	3,807
Upper Division	3,251	3,340	3,474	3,579	3,652	3,709	3,755	3,807
General	18	18	18	21	21	21	21	21
Upper Division	18	18	18	21	21	21	21	21

Note: At the present time UH-West Oʻahu offers only upper division courses.

TABLE 5
FULL-TIME EQUIVALENT COURSE ENROLLMENT SERVED, BY PROGRAM
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAI‘I-WEST O‘AHU
FALL 2003 TO FALL 2010

PROGRAM	ACTUAL 2003	PROJECTED 2004	2005	2006	2007	2008	2009	2010
TOTAL	478	492	512	528	538	547	554	562
Upper Division	478	492	512	528	538	547	554	562
Business Admin	92	96	100	103	105	107	108	110
Upper Division	92	96	100	103	105	107	108	110
Humanities	81	83	86	89	91	92	94	95
Upper Division	81	83	86	89	91	92	94	95
Public Administration	86	89	93	96	98	100	101	102
Upper Division	86	89	93	96	98	100	101	102
Social Sciences	218	223	232	239	243	247	250	254
Upper Division	218	223	232	239	243	247	250	254
General	1	1	1	1	1	1	1	1
Upper Division	1	1	1	1	1	1	1	1

Note: At the present time UH-West O‘ahu offers only upper division courses.

TABLE 6
HEADCOUNT ENROLLMENT OF CREDIT STUDENTS, BY ATTENDANCE STATUS
MIDDLE PROJECTION SERIES
UNIVERSITY OF HAWAIʻI-WEST OʻAHU
FALL 2003 TO FALL 2010

	ACTUAL	PROJECTED						
ATTENDANCE STATUS	2003	2004	2005	2006	2007	2008	2009	2010
TOTAL	810	834	867	893	912	926	938	950
Full-Time	311	314	326	336	343	348	353	357
Upper Division	311	314	326	336	343	348	353	357
Part-Time 1/	499	520	541	557	569	578	585	593
Upper Division 1/ ...	499	520	541	557	569	578	585	593

1/ Includes student records with invalid data on attendance status.

Note: Numbers include unclassified students.