

**ENROLLMENT PROJECTIONS**  
**UNIVERSITY OF HAWAI'I - WEST O'AHU**  
**FALL 1997 TO FALL 2003**

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**ENROLLMENT PROJECTIONS  
UNIVERSITY OF HAWAI'I-WEST O'AHU  
FALL 1997 TO FALL 2003**

This report presents information on actual and projected headcount enrollment for the University of Hawai'i-West O'ahu. The projections are statistical extrapolations of current trends in enrollment by educational level. They reflect neither planned changes in University or campus policies or procedures nor external socio-economic trends. Furthermore, they should not be interpreted as establishing enrollment targets or goals. Rather, they should be regarded only as an indication of what might occur should current trends continue.

The enrollment projections are based on unduplicated headcounts of full-time and part-time students enrolled in regular session or extended-day credit courses. Included are students enrolled in programs leading to a baccalaureate degree and unclassified students. Excluded from the enrollment count are concurrent students and auditors. Historical headcount data are provided to facilitate analysis.

**METHODOLOGY AND ASSUMPTIONS**

The projections are based on registration status: continuing / returning and transfer students. Within these registration status categories, enrollment projections are broken down by educational level (junior, senior and unclassified).

Continuing / returning student enrollment is projected using a continuation rate. For any given fall semester, the continuation rate is calculated as the ratio of the continuing / returning enrollment to the previous fall semester's total enrollment. The projections are made using a ten year average continuation rate, calculated from Fall 1987 to Fall 1996. Total continuing / returning enrollment for a given projected year is forecast by multiplying this rate by the previous fall semester's total enrollment. This result is then distributed among juniors, seniors and unclassifieds using five year average proportions by education level.

Transfer student enrollment is projected using a standard regression computation based upon transfer data for the fall semesters from 1981 to 1995. The projected transfer enrollments are also distributed by education level using five year average proportions.

In addition to the overall enrollment projections for the campus, detailed tables are included which project headcount enrollments, student semester hours (SSH) offered, and full-time equivalent (FTE) course enrollments by division (program category). Utilizing Fall 1996 data plus the projected enrollments for the period 1997-2003 as input, the tables project the counts by division, based on the assumption that the proportional distribution across units will be the same as in Fall 1996. FTE counts have been forecast by dividing the projected SSH for each division by 15. A table showing headcount enrollment for regular students by attendance status has been included (Table 5). This table uses five year average proportions by attendance status to divide the projected headcounts between full-time and part-time.

## SUMMARY AND HIGHLIGHTS

Figure 1 illustrates the actual total enrollment from 1986 to 1996 and the projected total enrollment from 1997 to 2003 (see also Table 1). Figure 2 provides an enrollment index to facilitate comparison with other UH campuses (1996 enrollment = 100). Total headcount enrollment is projected to grow 4.8% in 1997 to reach 679. Total enrollment from 1997 to 2003 is projected to grow at an average annual rate of 3.1%.

Figure 3 shows the complete historical headcount enrollment time series for UH-West O'ahu. Enrollment appears to have grown steadily in a series of leaps. However, the headcount enrollment of 648 in Fall 1996 was a 9.5% decline from Fall 1995 and the largest annual percentage decrease in campus history. This drop in enrollment followed a 3.8% decrease in Fall 1995 from the record high enrollment of 744 posted in Fall 1994. Recent changes in tuition policies throughout the UH system may have contributed to this decline in enrollment levels. Enrollment in Fall 1996 was at roughly the same level as in Fall 1990. Prior to Fall 1996, there had never been two consecutive years of decline in enrollment in the history of the UH-West O'ahu campus.

Figure 4 shows a line fitted to the historical data series using the least squares method. This line illustrates the rate at which enrollment would increase if that rate of increase continued to follow the historical average. The average annual rate of increase in enrollment for the UH-West O'ahu campus over its 21 year history is 9.1%. The projected total headcount enrollment from 1997 through 2003 lies well below this trend line. In the long run, enrollment will either rebound to historical levels or the slope of the trend line will decrease. How quickly the enrollment recovers is a matter of speculation. The projections shown here are conservative, and enrollment may rebound more quickly.

Figure 5 provides actual and projected enrollment by registration status. Transfer and continuing / returning enrollment are projected to grow through 2003 at average annual rates of 4.1% and 2.8%, respectively. Figure 6 shows enrollment by division (Table 2). Historically, Professional Studies has had the highest enrollment, followed by the Social Sciences, Unclassified students and the Humanities. Except for Unclassified enrollment, which is projected to grow at a rate of 4.6%, enrollment for each division is projected to increase at an average annual rate of 2.9% through the projection period.

University of Hawai'i - West O'ahu  
Regular Students

Figure 1  
Actual & Projected Headcount Enrollment

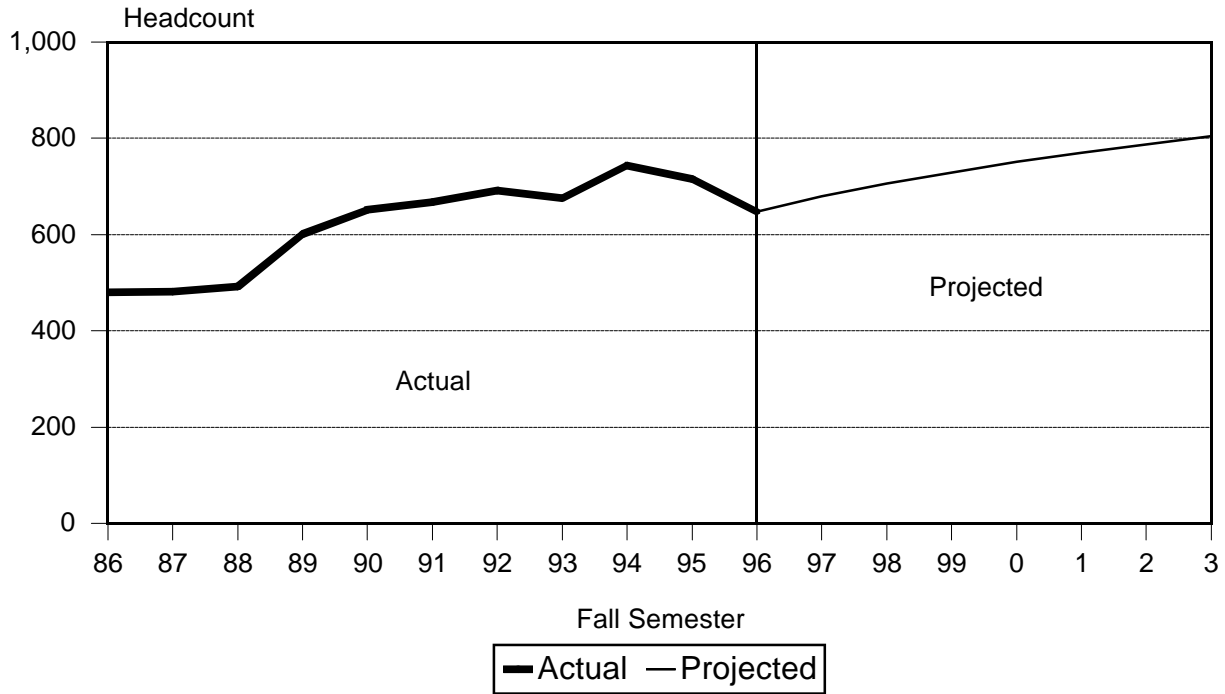
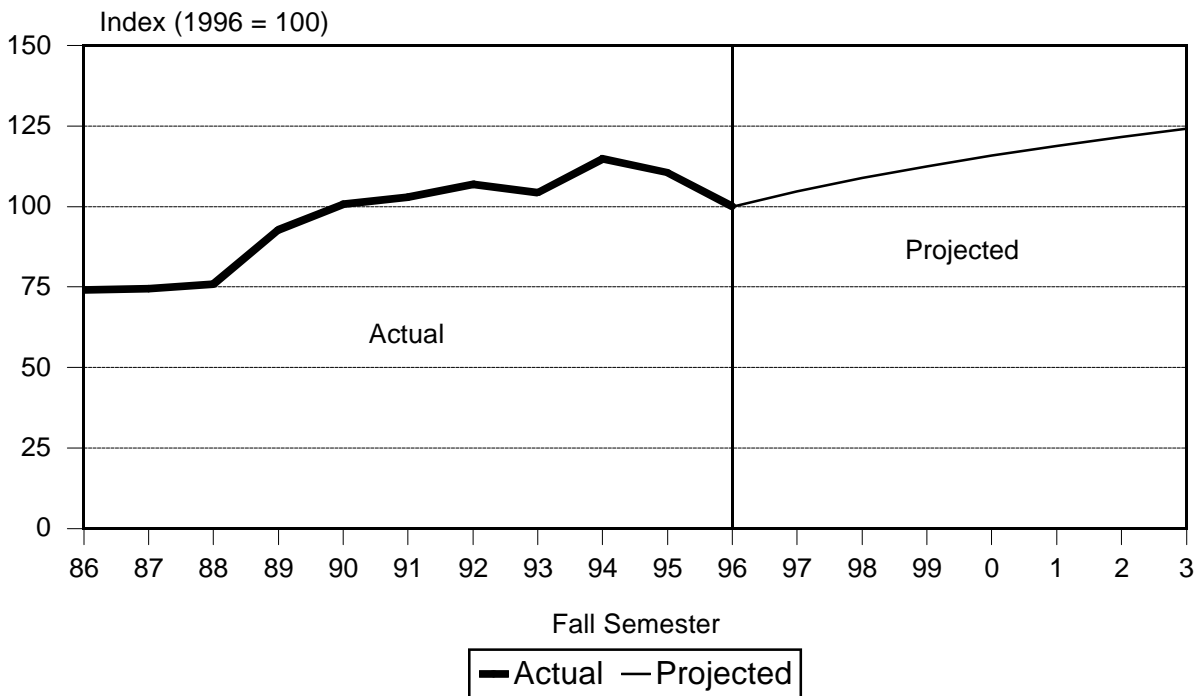


Figure 2  
Enrollment Index



University of Hawai'i - West O'ahu  
Regular Students

Figure 3  
Historical Headcount Enrollment

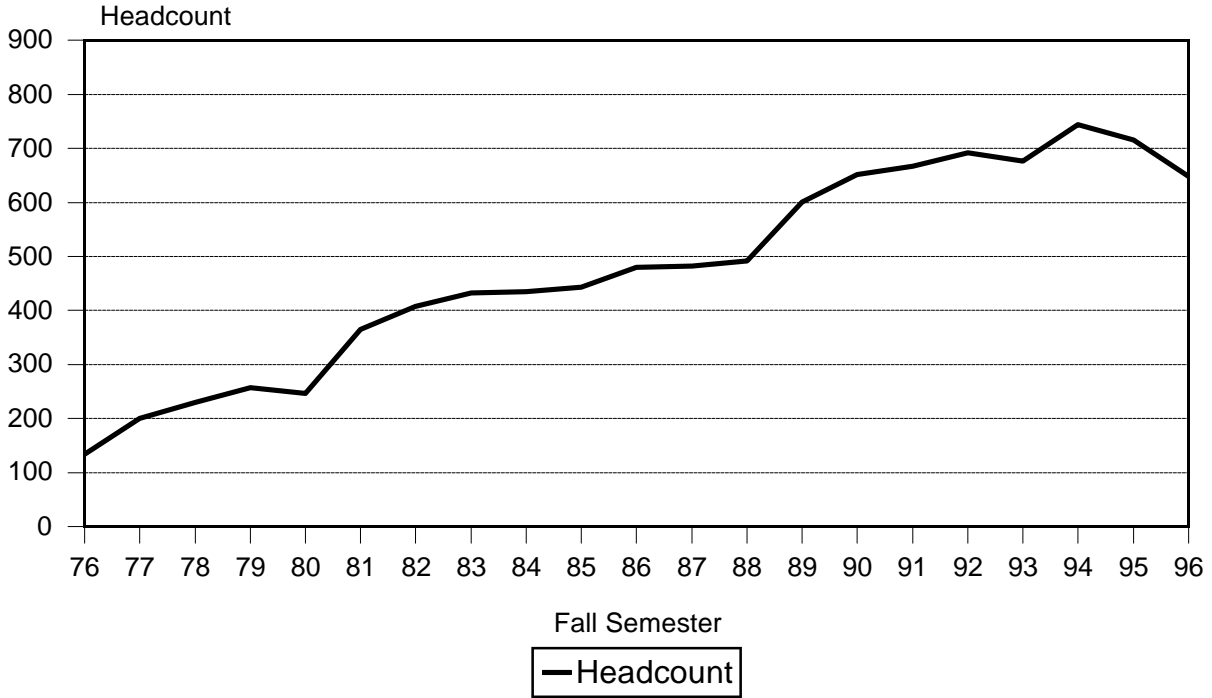
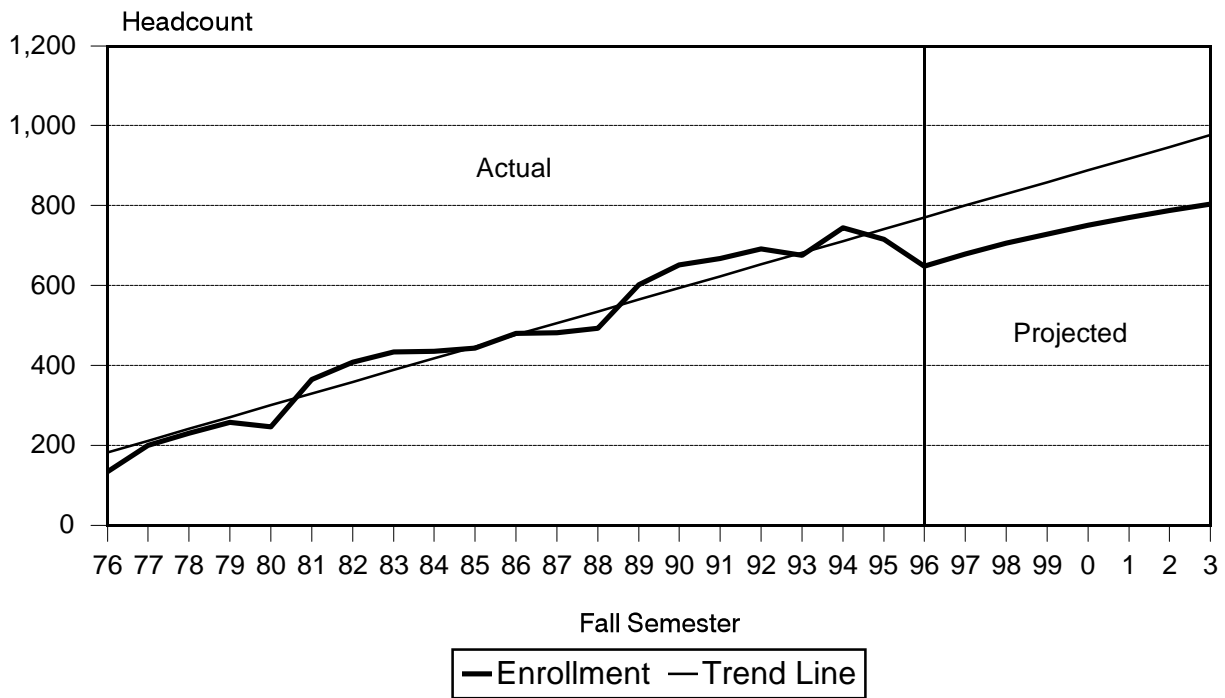


Figure 4  
Enrollment with Least Squares Trend Line



University of Hawai'i - West O'ahu  
Regular Students

Figure 5  
Actual & Projected Enrollment by Registration Status

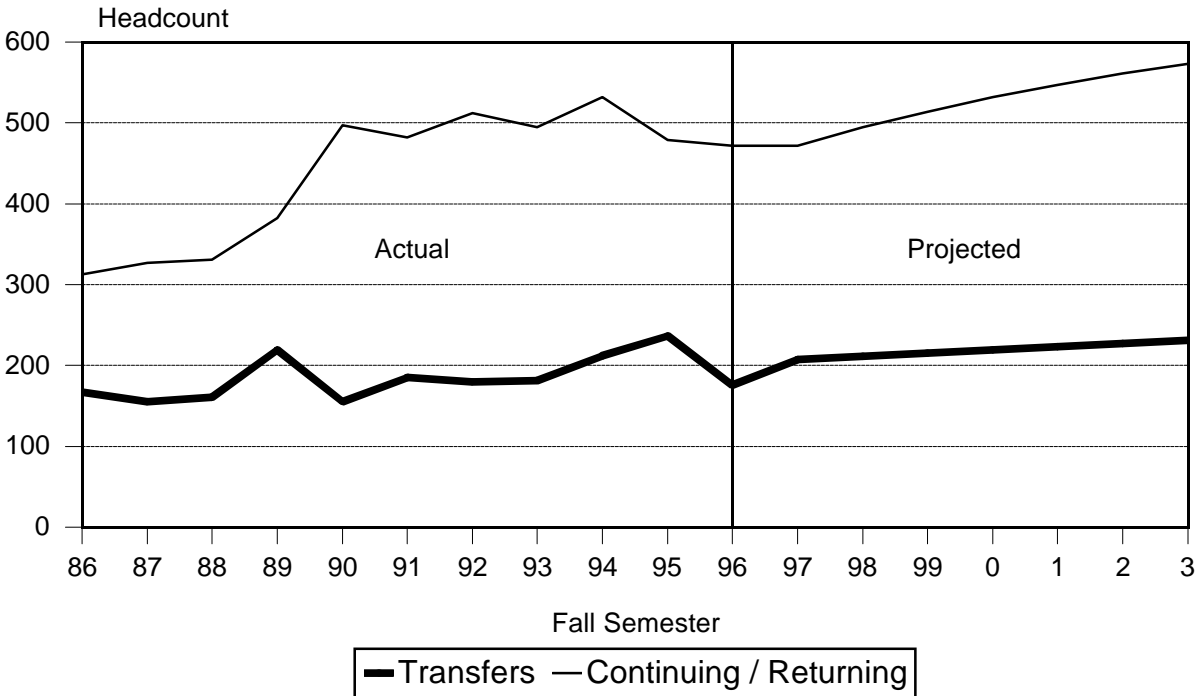


Figure 6  
Actual & Projected Enrollment by Division

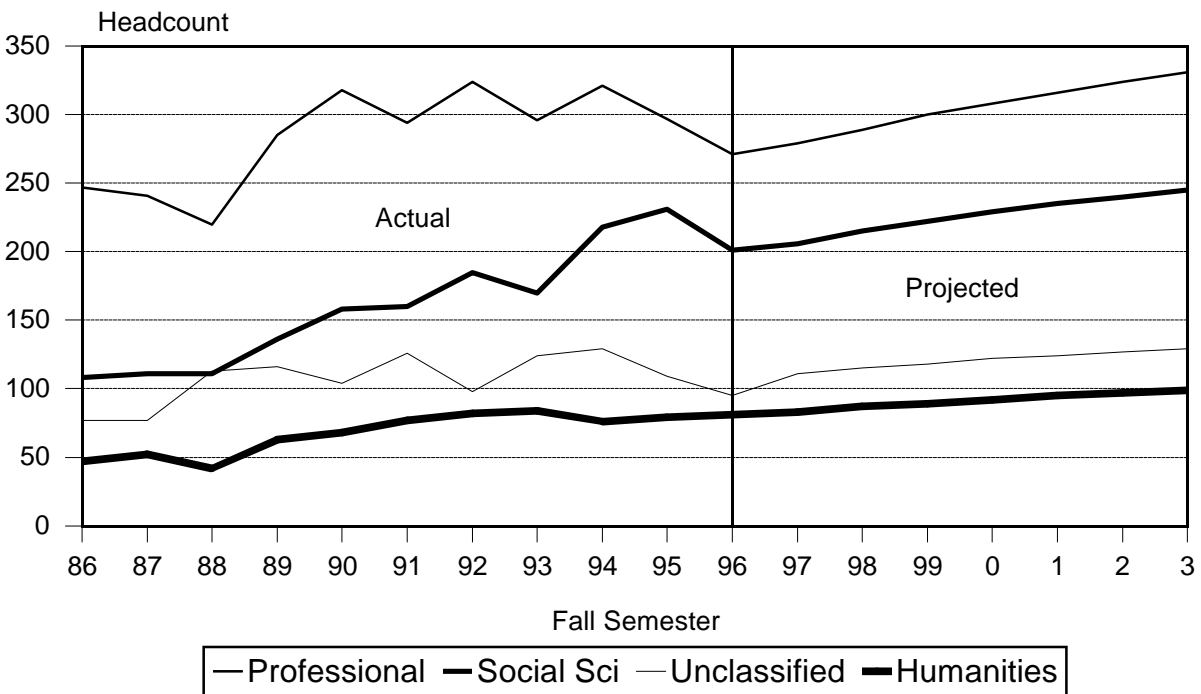


TABLE 1  
HEADCOUNT ENROLLMENT OF REGULAR STUDENTS, BY REGISTRATION STATUS  
UNIVERSITY OF HAWAI'I-WEST O'AHU  
FALL 1990 TO FALL 2003

EDUCATIONAL LEVEL AND REGISTRATION STATUS	ACTUAL							PROJECTED						
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL .....	652	667	692	676	744	716	648	679	706	729	751	770	788	804
Classified .....	548	541	594	552	615	607	553	568	591	611	629	646	661	675
Junior .....	340	279	322	329	325	344	305	322	333	343	352	361	369	377
Senior .....	208	262	272	223	290	263	248	246	258	268	277	285	292	298
Unclassified .....	104	126	98	124	129	109	95	111	115	118	122	124	127	129
Transfer .....	155	185	180	181	212	237	176	207	211	215	219	223	227	231
Junior .....	103	103	121	108	136	169	127	139	141	144	146	149	152	155
Senior .....	8	12	8	9	10	8	5	8	9	9	9	9	9	9
Unclassified .....	44	70	51	64	66	60	44	60	61	62	64	65	66	67
Continuing / Returning .....	497	482	512	495	532	479	472	472	495	514	532	547	561	573
Junior .....	237	176	201	221	189	175	178	183	192	199	206	212	217	222
Senior .....	200	250	264	214	280	255	243	238	249	259	268	276	283	289
Unclassified .....	60	56	47	60	63	49	51	51	54	56	58	59	61	62

TABLE 2  
HEADCOUNT ENROLLMENT, BY PROGRAM AND DIVISION  
UNIVERSITY OF HAWAII-WEST O'AHU  
FALL 1996 TO FALL 2003

PROGRAM / DIVISION	ACTUAL	PROJECTED						
	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL .....	648	679	706	729	751	770	788	804
Upper Division .....	648	679	706	729	751	770	788	804
Humanities .....	81	83	87	89	92	95	97	99
Upper Division .....	81	83	87	89	92	95	97	99
Professional Studies .....	271	279	289	300	308	316	324	331
Upper Division .....	271	279	289	300	308	316	324	331
Social Sciences .....	201	206	215	222	229	235	240	245
Upper Division .....	201	206	215	222	229	235	240	245
Non-Majors .....	95	111	115	118	122	124	127	129
Unclassified - Upper Div .....	95	111	115	118	122	124	127	129



TABLE 3  
 STUDENT SEMESTER HOURS OFFERED, BY DIVISION  
 UNIVERSITY OF HAWAI'I-WEST O'AHU  
 FALL 1996 TO FALL 2003

DIVISION	ACTUAL	PROJECTED						
	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL .....	5,807	6,058	6,302	6,506	6,705	6,875	7,038	7,179
Upper Division .....	5,807	6,058	6,302	6,506	6,705	6,875	7,038	7,179
Humanities .....	1,400	1,461	1,524	1,567	1,617	1,661	1,701	1,734
Upper Division .....	1,400	1,461	1,524	1,567	1,617	1,661	1,701	1,734
Professional Studies .....	1,826	1,910	1,980	2,051	2,110	2,161	2,215	2,260
Upper Division .....	1,826	1,910	1,980	2,051	2,110	2,161	2,215	2,260
Social Sciences .....	2,581	2,687	2,798	2,888	2,978	3,053	3,122	3,185
Upper Division .....	2,581	2,687	2,798	2,888	2,978	3,053	3,122	3,185

TABLE 4  
 FULL-TIME EQUIVALENT COURSE ENROLLMENT SERVED, BY DIVISION  
 UNIVERSITY OF HAWAI'I-WEST O'AHU  
 FALL 1996 TO FALL 2003

DIVISION	ACTUAL	PROJECTED						
	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL .....	388	403	421	434	448	459	469	479
Upper Division .....	388	403	421	434	448	459	469	479
Humanities .....	94	97	102	104	108	111	113	116
Upper Division .....	94	97	102	104	108	111	113	116
Professional Studies .....	122	127	132	137	141	144	148	151
Upper Division .....	122	127	132	137	141	144	148	151
Social Sciences .....	172	179	187	193	199	204	208	212
Upper Division .....	172	179	187	193	199	204	208	212

TABLE 5  
 HEADCOUNT ENROLLMENT OF REGULAR STUDENTS, BY ATTENDANCE STATUS  
 UNIVERSITY OF HAWAI'I-WEST O'AHU  
 FALL 1996 TO FALL 2003

DIVISION	ACTUAL	PROJECTED						
	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL .....	648	679	706	729	751	770	788	804
FULL-TIME .....	252	250	260	268	276	283	290	296
Upper Division 1/ .....	252	250	260	268	276	283	290	296
PART-TIME .....	396	429	446	461	475	487	498	508
Upper Division 2/ .....	396	429	446	461	475	487	498	508

1/ Includes Unclassified.

2/ Includes Unclassified and No Data.