



Faculty Tenure-Flow Rates: 2008-09 Annual Report

Vice Provost for Academic Affairs
and
Office of Planning and Institutional Assessment

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Introduction

For the past twelve years, Penn State has analyzed the rates at which its provisionally appointed faculty members achieve tenure. Tabulations are shared annually with Penn State’s deans and with the University Faculty Senate.

Distribution of Penn State Faculty

Penn State employs over 5,000 full-time faculty members, including lecturers, librarians and research faculty. Of these, about 2,900 are either tenured or on the tenure track. The following data are University-wide counts for full-time faculty in fall 2007.

Tenured	2,140	(39.1%)
Provisional	774	(14.1%)
<u>Other</u>	<u>2,559</u>	<u>(46.8%)</u>
Total	5,473	(100.0%)

(Source: Penn State, 2009)

Tenure-Track Progression of Assistant Professors

In any given year, about 150 faculty members enter provisional status at Penn State. Table 1 shows the tenure achievement rates for entering cohorts for whom sufficient time has passed to allow outcomes to be observed. Specifically, tenure rates in Table 1 are calculated from the time of appointment through the seventh year (which allows for the handful of individuals who “stop the clock” during the provisional period). For the last twelve entering cohorts -- that is, those beginning in 1990 through 2001 -- 57 percent of new entrants had received tenure by the end of their seventh year. Of course, this does not mean that 43 percent were denied tenure, since assistant professors leave the tenure track for many reasons.

Table 1 also shows tenure rates by gender and minority status. For the twelve cohorts combined, tenure rates for minority faculty have been lower than for non-minority faculty (53 percent and 58 percent).

Tenure rates for females have been lower than for males (50 percent and 61 percent). The total number of entrants for each group is 316 minority faculty members, 1,398 non-minority faculty members, 627 females, and 1,087 males.

National higher education databases do not normally include tenure achievement rates. Table 2 summarizes information collected several years ago through a special one-time data exchange among ten peer universities that participate in the American Association of Universities Data Exchange (AAUDE). The institutions are Northwestern, Penn State, Rutgers, Michigan, and the universities of Florida, Illinois, Iowa, Maryland, Pittsburgh, and Wisconsin. In all cases, except for Penn State, the data are for a single (main) campus.

As Table 2 shows, Penn State's tenure rate of 54 percent (N=160) for the AAUDE cohort study is typical for this group of universities, for which the average rate is 53 percent (N=1,382). The male-to-female and minority-to-non-minority patterns at Penn State are also similar to the patterns reported by peer institutions.

While comparative data are limited, apparent disparities in tenure rates probably reflect substantive differences across academic units as much as or more than differences by demographic groups, for two reasons: first, demographic groups are distributed differently across academic units, and second, tenure rates are substantially different by discipline. Last year's version of this annual report to the University Faculty Senate (Penn State, 2008a) placed Penn State's data in context with the results of a 2007 survey of over 1,300 modern language departments in 734 colleges and universities conducted by the Modern Language Association. In brief, tenure rates were quite low, around 35 percent, in fields represented by the MLA – fields which include relatively large numbers of female faculty members. Penn State's data showed that tenure rates are considerably higher in science and engineering, which employ proportionately fewer female faculty members, and that tenure rates are virtually identical for the men and women in those disciplines.

Table 3 shows that the large majority of college-level reviews at Penn State are consistent with the recommendations coming from departments and campuses. For example, in the 2007-08 academic year, 85 percent to 93 percent of the second-year, fourth-year, and sixth-year cases forwarded to the college level resulted in recommendations for continuation or early tenure. Similar patterns have been shown in earlier versions of this report (for example, Penn State 2006a; Penn State 2007a; Penn State 2008a).

Prior annual versions of this report (Penn State 2005; Penn State 2006a; Penn State 2007a; Penn State 2008a) have also clearly shown that the approval percentage at the university level has almost always been over 90 percent. In other words, final outcomes have historically been consistent with the recommendations that the university committee and the president receive. That continues to be the case; in fact, both two years ago (in 2006-07) and one year ago (in 2007-2008), the President approved 100 percent of the cases that came to him with positive recommendations from the University committee.

Table 1, Table 2, and Table 3 only indicate whether faculty members received tenure; they do not explain why things happened. Many individuals leave voluntarily, not necessarily because they were denied tenure. Penn State has been exploring some of those matters via an annual faculty exit survey and interview process, conducted since 1997. That study shows that departing female faculty are younger (age 47 versus age 54) than their male counterparts, and that females are more likely than males (50 percent versus 30 percent) to leave because of a more attractive position elsewhere. Those gender differences have been evident every year over the past decade in which the exit interview process has been in place. A complete report on that project is available online (Penn State, 2008b).

Definitions. Each cohort in Table 1 includes new entrants into provisional status. So, for example, ABDs who may have been hired initially into a fixed-term position are included in a tenure cohort for the year in which they formally entered the tenure track. The cohorts also include library faculty of equivalent rank. As already briefly noted, Table 1 tracks cohorts *through* the seventh year – that is, one year past the normal tenure-decision point. This accounts for individuals who temporarily “stopped the clock” for one year (for example, for medical reasons). Typically there are 6 to 12 such individuals, University-wide, in any year’s cohort.

References

- Penn State (2005). Faculty tenure-flow rates, January 2005. Vice Provost for Academic Affairs and Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2006a). Faculty tenure-flow rates, January 2006. Vice Provost for Academic Affairs and Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2006b). Faculty exit survey, 1997-98 through 2005-06. Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2006b). University Faculty Senate, informational report of the Senate Committee on Faculty Affairs, March 14, 2006. Retrieved February 17, 2009 at <http://www.psu.edu/ufs/agenda/index.html>
- Penn State (2007a). Faculty tenure-flow rates, January 2007. Vice Provost for Academic Affairs and Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2008a). Faculty tenure-flow rates, February 2008. Vice Provost for Academic Affairs and Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2008b). Faculty exit survey, 1997-98 through 2007-08. Office of Planning and Institutional Assessment. Retrieved February 17, 2009 at http://www.psu.edu/president/pia/planning_research/reports/index.htm
- Penn State (2009). Penn State fact book. University Budget Office. Retrieved on February 17, 2009 at <http://www.budget.psu.edu/FactBook>

Table 1. Tracking Cohorts Entering the Tenure Track Thorough Seven Years at Penn State.

Cohort Year	All Entrants			Female			Male			Minority			Non-Minority		
	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate
1990	121	70	58%	40	19	48%	81	51	63%	18	9	50%	103	61	59%
1991	93	55	59%	30	15	50%	63	40	63%	8	5	63%	85	50	59%
1992	151	89	59%	55	28	51%	96	61	64%	29	15	52%	122	74	61%
1993	103	55	53%	31	12	39%	72	43	60%	17	8	47%	86	47	55%
1994	134	63	47%	50	17	34%	84	46	55%	21	6	29%	113	57	50%
1995	127	70	55%	53	30	57%	74	40	54%	23	17	74%	104	53	51%
1996	91	45	49%	29	12	41%	62	33	53%	22	12	55%	69	33	48%
1997	160	87	54%	52	25	48%	108	62	57%	28	15	54%	132	72	55%
1998	183	107	58%	75	38	51%	108	69	64%	44	21	49%	139	86	62%
1999	178	113	63%	63	38	60%	115	75	65%	34	19	56%	144	94	65%
2000	190	114	60%	72	36	50%	118	78	66%	31	16	52%	159	98	62%
2001	183	106	58%	77	46	60%	106	60	57%	41	26	63%	142	80	56%
1990-2001 Cohorts (12 cohorts)	1714	974	57%	627	316	50%	1087	658	61%	316	169	53%	1398	805	58%

This analysis covers tenure decisions through the seventh year. Therefore, tenure rates include individuals who "stopped the clock" for one year. Typically, there are 6 to 12 such individuals, University-wide, in any year's cohort.

Prior to 1997, the cohorts included University Park, Behrend, Capital, and Hershey and excluded other locations. Beginning with the 1997 cohort, the table summarizes data for all of Penn State except for Penn College of Technology and Dickinson School of Law.

*Office of Planning and Institutional Assessment 2/20/09
mike's docs/table1-spring09- table1 2009.xls*

**Table 2. Tenure Achievement Rates from Participating Association of American Universities Data Exchange Institutions
1997-98 Tenure Track Entrants Achievement of Tenure by 2004-05 (except for Penn State, these are main campuses only and exclusive of medical schools)**

	All Entrants			Female Entrants			Male Entrants			Minority			Non-Minority		
	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate	Entrants	Tenured	Rate
Penn State	160	87	54%	52	25	48%	108	62	57%	28	15	54%	132	72	55%
10 AAUDE¹	1382	737	53%	510	247	48%	829	465	56%	138	67	49%	573	293	51%

1. Counts and averages for 10 AAUDE universities are inclusive of Penn State data.

**Table 3. Second, Fourth, and Sixth-Year Tenure Decisions, 2007-08
College Level Reviews & Recommendations**

	Total			Men			Women			Minority		
	2nd Year	4th Year	6th Year	2nd Year	4th Year	6th Year	2nd Year	4th Year	6th Year	2nd Year	4th Year	6th Year
a. # of cases reviewed	117	106	116	68	67	70	49	39	46	42	28	34
b. # of positive recommendations (continuation or early promotion & tenure)	106	90	108	64	58	67	42	32	41	38	23	30
% with "positive" recommendations	91%	85%	93%	94%	87%	96%	86%	82%	89%	90%	82%	88%

This table summarizes data for Penn State including Hershey, but excluding PCT and DSL.

*Office of Planning and Institutional Assessment 2/17/2009
mike's docs/sixth-year tenure decisions 2008-09.xls*