

Table W-1:

INSTITUTIONAL PREFERENCES AND PERCEPTION AS REALISTIC

	Two year college	Liberal Arts college	Comprehensive university	Research university
Institutional Preference				
TOTAL	3.9%	54.3%	43.8%	54.1%
Humanities				
Art History	1.8	74.8	58.3	50.4
English	5.7	71.3	54.0	53.0
Philosophy	3.7	64.6	40.9	50.6
Social Sciences				
History	4.8	69.5	52.6	53.0
Sociology	1.9	40.5	39.4	57.1
Psychology	4.4	36.0	37.0	57.1
Biological Sciences				
Ecology	2.6	42.2	46.2	57.9
Molecular Biology	0.9	25.3	24.5	71.8
Physical Sciences				
Chemistry	6.0	58.5	34.2	34.5
Geology	3.7	53.7	40.2	45.8
Mathematics	2.8	46.9	41.4	55.9
Other	15.2	26.5	50.0	55.9
Likelihood of Being Employed				
TOTAL	16.6	30.5	26.8	19.6
Humanities				
Art History	13.8	42.2	28.4	21.4
English	24.4	26.3	20.3	9.9
Philosophy	16.0	30.9	22.8	9.9
Social Sciences				
Sociology	11.5	28.8	31.0	25.9
History	14.8	31.1	29.0	15.6
Psychology	13.6	29.0	31.7	28.3
Biological Sciences				
Ecology	16.0	23.7	31.2	20.3
Molecular Biology	12.1	23.4	17.3	32.0
Physical Sciences				
Chemistry	25.1	45.7	27.2	14.0
Geology	13.6	28.8	26.6	25.0
Mathematics	14.9	35.7	30.3	21.7
Other	18.2	24.2	44.1	41.2

% saying "very much." Other choices were "somewhat" and "not at all."
N=2505; those interested in being faculty.

Table W-2:

CONSIDERING A FACULTY JOB BY SEX AND ETHNICITY:
U.S. CITIZENS ONLY

	N	%
Sex		
Male	1029	67.3%
Female	1126	60.1
Ethnicity		
White	1799	64.2
Students of color	313	58.4
Sex and Ethnicity		
White men	881	68.0
Men of color	121	63.7
White women	916	60.9
Women of color	192	55.5

Question: Are you considering a faculty job at any point in the future? Yes, perhaps, no.

N = 3430; U.S. Citizens

Table W-3:

AVAILABILITY AND USE OF RESEARCH OPPORTUNITIES

	It is available *		Of those who perceive that it is available **	
	%	N	Using it	Encouraged to use
Chance to make presentation at a regional/national meeting	93.4%	3778	76.2%	85.0%
Art History	94.5%	155	71.7%	82.1%
Philosophy	85.6	161	49.1	65.1
Sociology	98.5	382	83.3	90.6
Psychology	98.0	439	82.5	91.7
Ecology	96.4	240	80.6	91.5
Molecular Biology	97.7	550	80.3	92.7
Chemistry	97.0	550	75.4	83.1
Geology	98.6	144	91.5	90.4
History	90.8	525	70.6	76.4
English	83.8	415	84.7	85.0
Mathematics	82.5	165	42.7	68.8
Progressively more responsible roles in research	44.7%	1734	88.5%	85.0%
Art History	23.8%	36	80.6%	90.0%
Philosophy	21.7	36	88.6	68.6
Sociology	48.1	181	83.2	81.5
Psychology	69.6	311	91.4	88.7
Ecology	48.6	118	85.6	81.3
Molecular Biology	51.3	288	90.9	86.0
Chemistry	55.1	310	93.7	87.5
Geology	50.0	71	87.0	83.6
History	30.9	168	83.5	83.0
English	26.0	114	89.1	82.6
Mathematics	39.5	77	81.3	84.5

Question: Is this opportunity available to doctoral students like you? Yes, don't know, no.
If it is available, have you participated in that opportunity? Yes, no.

* N = 4114

** Proportion of respondents who said resource is available.

Table W-4:

AVAILABILITY AND USE OF CAREER DEVELOPMENT OPPORTUNITIES

	It is available *		Of those who perceive that it is available **	
	%	N	Using it	Encouraged to use
Workshop on academic job search	57.7%	2352	45.4%	55.8%
Workshop on career opportunities outside academia	45.6	1851	43.9	31.8
Opportunity to work on another campus	39.0	1569	24.7	26.1
Internship	28.8	1113	31.7	44.6

Question: Is this opportunity available to doctoral students like you? Yes, don't know, no.
 If it is available, have you participated in that opportunity? Yes, no.

* N = 4114

** Proportion of respondents who said resource is available.

Table W-5:

AVAILABILITY OF CAREER DEVELOPMENT OPPORTUNITIES BY DISCIPLINE

	Academic job search workshop	Workshop on careers outside of academia	Opportunity to work on another campus	Internship
TOTAL	57.7%	45.6%	39.0%	28.8%
Humanities				
Art History	47.6%	41.2%	54.9%	63.6%
English	82.0	50.6	38.1	9.3
Philosophy	63.5	28.9	49.7	2.3
Social Sciences				
History	73.2	44.3	57.3	14.8
Sociology	59.4	44.4	61.9	21.0
Psychology	38.0	25.2	46.1	55.7
Biological Sciences				
Ecology	50.8	45.6	31.6	29.1
Molecular Biology	56.0	68.8	20.6	25.1
Physical Sciences				
Chemistry	49.0	49.0	22.5	29.9
Geology	49.7	37.7	26.2	56.3
Mathematics	48.0	42.3	24.6	35.8
Other	24.6	17.5	28.6	61.4

Question: Is this opportunity available to doctoral students like you? Yes, don't know, no.

N=4114

Table W-6:

TEACHING REQUIREMENTS, OPPORTUNITIES, AND PREPARATION BY DISCIPLINE

	Requirement		Have opportunity		Prepared by program	
	Teaching assistantship	Progressively responsible teaching role	TA training course, lasting one term	Seminar on teaching in discipline	Create inclusive classroom*	Teach lecture courses*
TOTAL	53.6%	49.8%	46.4%	51.2%	28.0%	36.1%
Humanities						
Art History	44.3	50.6	33.1	35.8	32.2	48.7
English	59.6	65.1	79.2	68.3	43.0	30.7
Philosophy	51.1	66.7	40.2	51.3	17.0	46.3
Social Sciences						
History	36.4	59.6	47.0	62.5	30.5	35.5
Psychology	43.4	65.7	50.9	52.3	29.2	45.2
Sociology	40.4	59.2	59.9	60.8	29.5	36.9
Biological Sciences						
Ecology	47.0	37.3	38.3	40.7	22.7	28.9
Molecular Biology	70.8	20.0	30.1	36.1	13.2	19.4
Physical Sciences						
Chemistry	83.8	38.4	28.4	45.7	21.6	36.2
Geology	36.3	30.8	39.7	32.2	13.4	29.3
Mathematics	38.6	63.0	58.3	59.2	23.4	51.4
Other	38.6	28.6	28.6	22.8	54.5	45.5

Questions: Required teaching or teaching assistant position.

Not a requirement in my program, remains to be completed, I have completed.

Is this opportunity available to doctoral students like you? Yes, don't know, no.

I have been prepared by my program to do this task. Not at all, somewhat, very much.

N = 4114

* N = 2505; those interested in faculty career.

Table W-7:

INTEREST IN CAMPUS CITIZENSHIP ROLES BY DISCIPLINE

	Interact with undergraduates outside of class	Become department chair or dean	Serve on academic senate
TOTAL	69.0%	53.1%	52.3%
Humanities			
Art History	60.7%	59.0%	48.3%
English	68.9	57.9	62.2
Philosophy	74.2	52.4	53.7
Social Sciences			
History	72.1	57.9	57.0
Psychology	61.0	51.5	45.9
Sociology	63.0	52.6	50.0
Biological Sciences			
Ecology	74.5	43.2	52.8
Molecular Biology	60.0	49.8	42.1
Physical Sciences			
Chemistry	82.0	54.0	52.0
Geology	77.1	49.4	48.2
Mathematics	67.6	41.8	43.2
Other	76.5	52.9	61.8

% saying "very interested" or "somewhat interested." Other choices were "uninterested" and "very uninterested."

N=2505; those interested in being faculty.

Table W-8:

AVAILABILITY AND USE OF FACULTY PROFESSIONAL DEVELOPMENT OPPORTUNITIES

	Survey respondents who perceive that it is available *		Of those who perceive that it is available **	
	%	N	Using it	Encouraged to use
Teaching development center	62.4%	2539	50.2%	50.6%
Workshop/seminar teaching in discipline	51.2	2076	72.3	66.9
TA training course, at least one term long	46.4	1886	68.9	73.6
Opportunity to work on another campus	39.0	1569	24.7	26.1
Seminar course to develop prospective faculty	33.5	1363	49.1	51.6
Mentor for professional development other than advisor	29.4	1192	77.4	48.6
Workshop/seminar on research ethics	29.1	1165	71.9	66.7
Internship	28.8	1113	31.7	44.6
Workshop/seminar on faculty roles and responsibilities	16.6	671	62.4	51.8
Trip to other campus to learn about faculty life there	11.8	478	36.6	35.3
Workshop/seminar on history, mission, and purpose of higher education	6.4	260	66.4	48.5
Workshop/seminar on organization and administration of colleges and universities	4.4	179	69.4	38.0

Question: Is this opportunity available to doctoral students like you? Yes, don't know, no.
If it is available, have you participated in that opportunity? Yes, no.

*N = 4114

** Proportion of respondents who said resource is available.

Table W-9:

MEASURES OF SATISFACTION

	Agree
My dissertation topic interests me a great deal	92.8%
I currently have the advisor I want	91.4
If I could do it over, I would not go to graduate school*	3.0
I understand the requirements of my program	92.3%
Chemistry	96.3
Mathematics	94.6
Sociology	94.4
Molecular Biology	93.0
History	92.0
Psychology	91.6
Philosophy	90.0
Art History	89.9
Geology	89.8
Ecology	89.7
English	89.5
Other	87.7

N=4114

% saying "strongly agree" or "agree." Other options were "strongly disagree" and "disagree."
 * % saying "yes" or "no." Other option was "maybe."

Table W-10:

AVAILABILITY AND USE OF ORIENTATION OPPORTUNITIES

	Survey respondents who perceive that it is available *		Of those who perceive that it is available **	
	%	N	Using it	Encouraged to use
New student orientation for program	88.1%	3592	92.4%	80.6%
Graduate student handbook for program	84.6	3446	92.4	63.9
Graduate student handbook for university	69.7	2836	80.3	38.5
New student orientation for university	55.9	2280	69.6	44.8
Person or office to help students who perceive abuse or misconduct	49.7	2017	12.9	33.1
Graduate student center	39.9	1623	60.7	24.7
Written policy on research misconduct	32.6	1320	58.2	50.2

Question: Is this opportunity available to doctoral students like you? Yes, don't know, no.
If it is available, have you participated in that opportunity? Yes, no.

* N =4114

** Proportion of respondents who said resource is available.

Table W-11:

AVAILABILITY OF FACULTY MENTOR BESIDES ADVISOR BY DISCIPLINE

TOTAL	59.4%
Humanities	
Art History	70.2
English	67.1
Philosophy	60.5
Social Sciences	
History	72.1
Sociology	71.6
Psychology	56.4
Biological Sciences	
Ecology	64.7
Molecular Biology	52.0
Physical Sciences	
Chemistry	43.0
Geology	60.5
Mathematics	40.0
Other	45.6

N = 4114

Table W-12:

METHOD OF ADVISOR SELECTION BY DISCIPLINE

	Came to work with them	Selected after started	Expected switch	Unplanned switch	Assigned
TOTAL	32.0%	40.4%	7.3%	16.2%	4.2%
Humanities					
Art History	49.4	28.9	0.6	17.5	3.6
English	11.6	55.3	15.9	15.5	1.6
Philosophy	15.6	54.7	11.7	12.8	5.0
Social Sciences					
History	47.3	23.0	3.4	15.8	10.5
Sociology	13.8	36.0	19.3	25.8	5.0
Psychology	50.4	12.7	3.3	25.0	8.5
Biological Sciences					
Ecology	64.8	15.0	2.8	15.0	2.4
Molecular Biology	17.7	64.0	5.3	12.2	0.7
Physical Sciences					
Chemistry	30.1	58.4	1.0	10.1	0.3
Geology	67.3	15.0	0.7	15.6	1.4
Mathematics	11.3	55.7	17.7	12.8	2.5

N=4062; those with an advisor.

Shaded = Dominant mode of advisor selection.

Table W-13:

ADVISOR SELECTION REASONS

	Major Reason	Minor Reason	Not a Reason
Has intellectual interests that match mine	65.2%	29.5%	5.3%
Is doing interesting research	64.5	26.9	8.6
Has a reputation for being a good researcher	56.1	29.2	14.7
Is knowledgeable in the techniques and methods I will employ	53.3	32.5	14.2
Was willing to take me on	52.9	34.5	12.6
Will make sure I do a rigorous dissertation	40.6	35.2	24.2
Has a reputation for being a good advisor	37.0	31.1	31.8
Fosters a working environment I like in his/her research group	34.3	26.5	39.2
Has a reputation for being a good teacher	31.8	31.3	37.0
Can write a good recommendation letter that will carry my career a long way	31.5	37.2	31.4
Was recommended to me by other people	29.9	32.1	38.1
Had money to support me	19.2	19.4	61.4
Has a reputation for getting students through the process in a timely manner	18.4	28.6	53.0

N = 4062; those with advisor.

Table W-14:

ADVISOR SATISFACTION BY DISCIPLINE

	I currently have the advisor I want	I am satisfied with the amount and quality of time spent with my advisor
TOTAL	91.4%	67.5%
Humanities		
Art History	89.2	60.8
English	95.3	67.6
Philosophy	95.6	65.4
Social Sciences		
History	92.3	68.2
Psychology	91.7	66.6
Sociology	92.2	67.4
Biological Sciences		
Ecology	89.0	68.8
Molecular Biology	87.6	70.1
Physical Sciences		
Chemistry	90.0	65.4
Geology	91.2	63.3
Mathematics	92.1	76.7
Other	90.4	61.5
Method of advisor selection		
Came to work with advisor	93.2%	67.0%
Selected advisor after starting program	91.2	68.2
Unexpected switch	90.2	70.6
Expected switch	93.8	65.1
Assigned	79.5	57.5

Questions: Of my advisor, I would say: I currently have the advisor I want. Strongly disagree, disagree, agree, strongly agree.

Of my advisor, I would say: I am satisfied with the amount and quality of time spent with my advisor. Strongly disagree, disagree, agree, strongly agree.

% saying strongly agree or agree.

N = 4062; those with an advisor.

Table W-15:

CLARITY OF UNDERSTANDING ABOUT DOCTORAL EDUCATION BY DISCIPLINE

	Time spent with advisor	Funding graduate studies	Funding dissertation research	Criteria for determining you were ready to graduate
TOTAL	22.5%	57.3%	40.4%	45.4%
Humanities				
Art History	13.3	49.7	34.3	68.4
English	13.5	54.3	32.2	50.3
Philosophy	11.8	60.6	41.6	54.7
Social Sciences				
History	21.7	48.6	38.1	60.9
Psychology	28.5	62.6	38.2	57.6
Sociology	17.3	59.1	31.5	54.5
Biological Sciences				
Ecology	26.4	54.4	41.2	42.3
Molecular Biology	28.2	61.8	53.2	23.3
Physical Sciences				
Chemistry	24.7	55.3	42.0	24.4
Geology	29.7	58.2	44.1	41.3
Mathematics	28.4	70.9	44.2	45.7
Other	26.3	64.9	35.2	48.1

Question: Since you started your program, have you developed clear understandings regarding these items? Not at all clear, somewhat clear, very clear.

% saying very clear.

N = 4114

Table W-16:

EFFECTIVENESS OF PROGRAM STRUCTURES

	Agree
I understand requirements of program	92.3%
Coursework has given broad foundation of knowledge in field	71.7
Coursework has laid good foundation for doing independent research	70.4
Program is highly flexible	67.7
Exams and other hurdles seem arbitrary and unhelpful	43.5

Question: Of my doctoral program I would say:
Strongly agree, agree, disagree, strongly disagree.

% saying strongly agree or agree.

N = 4114