

University of Maryland Doctoral Student Survey 2009

Sharon A. La Voy
Jessica Mislevy
Jennifer Meyers
Office of Institutional Research, Planning, and Assessment

Table of Contents

Background	1
Methodology	1
The Survey	1
Survey Respondents	1
Findings	3
General advising	3
Dissertation advisor-specific assistance and mentoring	4
Departmental assistance	6
Career goals and job search process	7
Overall satisfaction with UM	8
Appendix A: University of Maryland Doctoral Student Survey	10

Background

In May 2008, the University of Maryland released the 2007-2008 strategic plan entitled "Transforming Maryland: Higher Expectations." As this document contains numerous initiatives involving graduate student education, the Completions Subgroup of the Campus Assessment Working Group (CAWG), in collaboration with The Graduate School, determined that a survey addressing the graduate student educational experiences and supports would be useful for the campus community. The University of Maryland Doctoral Survey was created and administered in an effort to inform the implementation of strategic planning initiatives and serve as a baseline on graduate student perceptions of their doctoral experience.

This report only covers a select number of the University of Maryland Doctoral Survey topics including general advising, dissertation advisor-specific assistance and mentoring, departmental assistance, career goals and job search process, and overall satisfaction with UM.

Methodology

The University of Maryland Doctoral Survey was administered online in February and March 2009. All currently enrolled doctoral students were asked to participate via a series of emails from the Dean of the Graduate School and the Director of Assessment in the Office of Institutional Research, Planning, and Assessment. The data presented in this report were analyzed using standard quantitative procedures.

The Survey

As previously mentioned, the University of Maryland Doctoral Survey was created to gather data on graduate student perceptions of their educational experience and will be used in implementation of strategic planning efforts. While drafting of the University of Maryland Doctoral Survey during the summer and fall of 2008, the Graduate School was simultaneously creating a survey to be filled out by all Graduate Program Directors to assess the services and supports they provide to their students. Where possible, the Doctoral Survey items mirrored the Graduate Program Director survey to elicit both the administrative and student perspectives on the same topic. The University of Maryland Doctoral Survey covered eleven topic areas: program-specific experiences; program advising; the dissertation proposal process; doctoral publications, presentations, and awards; departmental and dissertation advisor assistance; the job search process; sources of funding, educational debt, and obstacles to academic progress; teaching improvement; career goals; departmental climate; and overall satisfaction with UM. A copy of the full survey appears in Appendix A.

Survey Respondents

There were 4423 doctoral students (both full- and part-time) enrolled at the University in Spring 2009 and registered at the time the survey opened. Of those, 1377 (31%) gave their consent and completed the survey. Students were required to log into the survey with their directory ID and password, thereby enabling access to their institutional demographic information. Table 1 contains the demographic information of the University of Maryland Doctoral Survey respondents.

Table 1. Demographics of the University of Maryland Doctoral Survey

<u> </u>		Number	Percent
Race	American Indian	3	<1
	Black/African American	94	7
	Asian American	59	4
	Hispanic	29	2
	White	736	53
	Foreign	383	28
	Unknown	73	5
Sex	Female	772	56
	Male	605	44
Age	25 or younger	276	20
	26 - 30	554	40
	31 – 35	288	21
	36 - 40	127	9
	41 or older	132	10
Full-time/Part-Time Status	Full-time	1259	91
	Part-time	118	9
College	AGNR	63	5
	ARCH	11	1
	ARHU	224	16
	BMGT	28	2
	BSOS	204	15
	CLFS	142	10
	CLIS	11	1
	CMPS	168	12
	EDUC	250	18
	ENGR	201	15
	JOUR	13	1
	PUAF	21	2
	SPHL	41	3

		Number	Percent
Stage of Doctoral Program	Early stage	378	28
	Preparing to advance to candidacy	343	25
	Early dissertation stage	332	24
	Later dissertation stage	320	23
Job Search Process Status	No – Not seeking employment	789	58
	No – Already employed full-time	329	24
	Yes – Searching for a full-time position	249	18

Findings

This report covers five aspects of the University of Maryland Doctoral Survey: general advising, dissertation advisor-specific assistance and mentoring, departmental assistance, career goals and job search process, and overall satisfaction with UM.

IMPORTANT NOTE REGARDING SCALE DIRECTION: Please note the most positive response option (e.g., strongly agree, very strong) is associated with the lowest numerical value (i.e., 1) and vice versa. Therefore, for positively-worded items, a *lower* mean is associated with *more positive* perceptions and a *higher* mean is associated with *less positive* perceptions. The text associated with each table reflects this interpretation.

General advising

Items regarding general academic advising reveal that:

- On average, doctoral students at UM found advising regarding course selection, qualifying exams, and thesis/dissertation work to be adequate. (Table 2)
- Doctoral students indicated that on average they meet with their advisors on a monthly basis to a few times a semester. (Table 3)

Table 2

Please rate your academic program on the following: (Percent)*	Very strong	Strong	Adequate	Weak	Very weak	Mean	Standard Deviation
Advising regarding course selection	17	27	37	12	7	2.65	1.12
Advising received during your first year	19	25	31	15	9	2.70	1.20
Advising about department/discipline qualifying exams or papers	17	29	31	17	7	2.69	1.15
Advising about department oral exams	17	27	32	16	9	2.73	1.17
Advising in developing thesis/dissertation topic/proposal	22	28	28	13	9	2.60	1.22
Advising/supervision of thesis/dissertation	29	28	24	12	8	2.42	1.24
Advising regarding other specific program requirements (e.g., internships, program benchmarks)	14	26	31	18	11	2.85	1.18

^{*}All items were calculated on a 5-point scale where 1 corresponds to "very strong" and 5 corresponds to "very weak." "Not applicable" responses were excluded from analysis.

Table 3

Item: (Percent)*	Weekly	Monthly	A few times a semester	Once a semester	Once a year	Mean	Standard Deviation
At what interval do you typically meet with your current advisor to discuss your work or progress?	42	21	22	12	4	2.16	1.20

^{*}Item utilized 5-point scale where 1 corresponds to "weekly" and 5 corresponds to "once a year."

Dissertation advisor-specific assistance and mentoring

In relation to assistance and mentoring from dissertation advisors:

- About two-thirds or more of doctoral respondents indicated dissertation advisors in their department offer help in preparing and revising work for publication, but almost one-third responded they were "unsure" if their dissertation advisor would provide these types of assistance. (Table 4)
- Just over half of doctoral students (56%) did not know how difficult it might be to switch to a different dissertation advisor later in their program. (Table 5)
- Doctoral students who had completed their dissertation proposal meeting on average agreed that their advisor provided helpful criticism and responded appropriately and in a timely manner to requests for feedback. (Table 6)

Table 4

Does your department offer the following for graduate students?	Yes %	No %	Unsure %
Help from dissertation advisor in preparing work for publication submission	66	9	25
Advice from dissertation advisor about suitable publication outlets	69	8	23
Help from dissertation advisor in understanding and responding to comments from publication reviewers	60	8	32
Dissertation advisor calling or emailing editors/publishers to encourage them to consider your work	17	21	62

Table 5

14670	
How difficult is it for students to switch to a different dissertation advisor later in the program?	%
1 6	
Very difficult	9
Somewhat difficult	16
Somewhat easy	13
Very easy	6
I don't know	56

Table 6

Please indicate your level of agreement with the following statements regarding your dissertation process: (Percent)*	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Mean	Standard Deviation
Outside of the proposal meeting, my advisor provides me with criticism and feedback to improve my scholarship	46	34	14	4	3	1.84	0.98
My advisor responds appropriately to my requests for feedback	48	31	12	6	3	1.86	1.06
My advisor responds in a timely manner such that I am able to proceed with my work	46	30	13	7	4	1.92	1.10
My dissertation committee's behavior has unnecessarily impeded my progress	4	7	16	30	43	4.01	1.12
Since my proposal meeting, my committee has significantly altered the original expectations of my dissertation	4	7	19	35	34	3.88	1.09

^{*}All items were calculated on a 5-point scale where 1 corresponds to "strongly agree" and 5 corresponds to "strongly disagree." These items were answered by individuals who had completed their dissertation proposal meeting, so Ns ranged from 466-480.

Departmental assistance

Regarding departmental assistance provided to doctoral students:

- Roughly two-thirds or more of doctoral student respondents indicated their department offers assistance in finding an assistantship, funding for conferences, conference travel, and doctoral student research, and information on fellowship and grant money. (Table 7)
- Approximately one-third of doctoral students (35%) were aware of a formal peer mentoring program for graduate students while 24% were unsure if this opportunity existed. Forty percent did not believe such a program was offered. (Table 7)

Table 7

Does your department offer the following for graduate students?	Yes %	No %	Unsure %
Orientation program for new graduate students	86	7	7
Assistance in finding available assistantships	66	16	19
Information on fellowships/grant money	75	12	13
Formal peer mentoring program for graduate students	35	40	24
Opportunities to present a seminar or paper to the department/campus community	78	7	15
Opportunities to give feedback on your experience with department (exit interviews, satisfaction surveys)	44	19	37
Funding for conferences and/or conference travel	73	8	18
Funding for doctoral student research	60	17	24

Career goals and job search process

Items focusing on respondents' future career goals and job search process revealed that:

- Forty percent of doctoral students' primary career goal is to be a tenure-track faculty member at a doctoral degree granting institution while 30% would like a non-tenure-track research-oriented position in industry, government, or higher education. (Table 8)
- With the exception of requesting letters of reference, approximately two-thirds or more of all doctoral students did not ask their dissertation advisors for job search assistance with activities such as preparing a job market paper or job dossier, critiquing interview and presentation skills, or having the dissertation advisor respond by phone/email to questions from prospective employers. (Table 9)

Table 8

What is your primary career goal?	%
Tenure-track faculty position at doctoral degree granting institution	40
Tenure-track faculty position at non-doctoral degree granting institution	13
Non-tenure-track faculty or instructional position	4
Research-oriented (non-tenure-track position; e.g., industry, government, higher education)	30
Applied practice (research is not primary function of position)	12
Higher education administration	2

Table 9

Did you request the following types of job search assistance from your dissertation advisor? *	Yes, I asked for this assistance and received it %	Yes, I asked for this assistance but did not receive it %	Did not ask for this type of assistance %
Write letters of reference	67	1	32
Respond by phone/email to questions from prospective employers	37	1	62
Help you prepare a job market paper	19	1	80
Critique of interview and seminar presentation skills	34	1	65
Help you prepare a job dossier (e.g., CV, teaching portfolio, electronic portfolio)	35	2	63
Call and/or email colleagues to urge them to consider a student for a job	27	4	69
Help you choose appropriate jobs to apply for	37	5	58

^{*} Between 1048 and 1060 students chose not to answer these items, presumably because they are not currently or have never been in a job search during their doctoral career, so Ns ranged from 317-329.

Overall satisfaction with UM

Items pertaining to respondents overall satisfaction with UM revealed:

- On average, doctoral student respondents agree that they enjoy being a doctoral student at UM and are receiving a quality doctoral education. (Table 10)
- Doctoral students indicated that if they had to do it all over again, on average they would likely pursue graduate studies at UM, within their current department, and in their current field. (Table 11)

Table 10

Please indicate your level of agreement with the following statements: (Percent)*	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Mean	Standard Deviation
I enjoy being a doctoral student at the University of Maryland	30	46	14	7	3	2.06	0.98
I am receiving a quality doctoral education at the University of Maryland	38	43	13	5	2	1.89	0.90

^{*}All items were calculated on a 5-point scale where 1 corresponds to "strongly agree" and 5 corresponds to "strongly disagree."

Table 11

14010 11						
If you were to do it over again, would you pursue graduate studies:	Definitely	Likely	Unlikely	Definitely not	Mean	Standard Deviation
At this university	36	47	13	4	1.87	0.80
In your current department/program	42	39	13	7	1.85	0.89
In your current field	56	36	6	1	1.53	0.67
In another field	7	25	43	25	2.86	0.87

^{*}All items were calculated on a 4-point scale where 1 corresponds to "definitely" and 4 corresponds to "definitely not." "Don't know" responses were excluded from analysis and, unless noted, comprised less than 13% of the responses.

Appendix A: University of Maryland Doctoral Student Survey

University of Maryland - Doctoral Student Survey

Please select the res			

C Early stage (i.e. taking coursework)

O Early dissertation stage

C Preparing to advance to candidacy (i.e. preparing for qualifying exams, oral exams, and/or comprehensive exams)

C Later dissertation stage

Are you currently in a job search process for a full-time position?

O No, I am already employed full-time

C Yes, I am searching for a full-time position

C No, I am not seeking employment at this time

Please indicate your level of agreement with the following statements regarding your doctoral program:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Program requirements are clear	0	0	0	0	0
Required courses are offered in a sequence that allow for continual progression toward my degree		•	•	0	•
Department informs me of deadlines and administrative procedures	О	О	О	О	o
I feel included in the intellectual community of my program/department	•	•	•	0	
Intellectual caliber of the faculty is excellent	0	0	c	0	0
Faculty are accessible to me	0	0	0	0	•
The quality of classroom instruction in my program is excellent	О	О	О	О	0
My program/department encourages collaboration among students	•	•	•	e	•
My program/department encourages collaboration between students and faculty	О	С	О	О	o
Faculty give timely feedback on my academic work	0	0	c	•	0
I get sufficient feedback on academic progress	0	0	О	0	0

Please rate your academic program on the following:

	Very strong	Strong	Adequate	Weak	Very weak	NOT applicable
Advising regarding course selection	0	0	0	0	0	0
Advising you received during your first year	0	0	0	0	•	•
Advising about department/discipline qualifying exams or						
papers	0	0	0	0	0	0
Advising about department oral exams	0	0	0	0	0	0
Advising in developing thesis/dissertation topic/proposal	0	0	0	0	0	0
Advising/supervision of thesis/dissertation	0	0	0	0	0	0
Advising regarding other specific program requirements (e.g., internships, program benchmarks)		О	o	0	О	0

University of Maryland Doctoral Student Survey 2009

At what interval do you typically meet with your current advisor to discuss your work or pro C Weekly C Monthly	ogress? C Once a semester C Once a year
C A few times a semester	
Upon entry to your doctoral program, how were you matched with your initial advisor? C I was assigned to an advisor by the department prior to admission C I was assigned to an advisor by the department upon arrival on campus C I was assigned to an advisor by the department during my first year on campus	$\text{C}\ \textsc{I}$ was assigned to an advisor by the department after my first year on campus $\textsc{C}\ \textsc{I}$ was responsible for finding my own advisor once I arrived on campus
Is your dissertation advisor the same person as your initial advisor?	
O Yes	O No
When were/will you be matched with your dissertation advisor?	
O Upon admission/arrival to the University	O By end of the 3rd year
O By end of the 1st year	O In the 4th year or beyond
O By end of the 2nd year	
Which of the following best describes how the match was/will be made between you and y	our dissertation advisor?
C The faculty member requests me and the match is then formalized by the department.	C The Graduate Program Director or committee makes the match after significant consultation with me and my dissertation advisor.
C I request a particular dissertation advisor and the match is then formalized by the department.	C I have an advising committee from which my dissertation advisor was eventually designated.
C The Graduate Program Director or committee makes the match with minimal input from me and my dissertation advisor.	C I don't know
How difficult is it for students to switch to a different dissertation advisor later in the progr	am?
O Very difficult	O Very easy
C Somewhat difficult	C I don't know
C Somewhat easy	
What is the most common way for a student in your department to choose a dissertation to	opic?
C The student independently selects a dissertation topic before obtaining a dissertation advisor	C The dissertation advisor assigns a dissertation topic to the student
C The student selects a dissertation topic in consultation with dissertation advisor and/or other faculty members	
Typically, once the dissertation advisor is selected, how is the rest of the dissertation com	mittee chosen?
O The student chooses the rest of the committee	O The student and dissertation advisor choose the committee together
C The dissertation advisor chooses the rest of the committee	O The program chooses the dissertation committee
If you have already had your dissertation proposal meeting, who was present at the meeti	ng?
O I have not yet proposed my dissertation (Skip to Q16)	O The complete dissertation committee
C My dissertation advisor and just one or two faculty members	C The complete dissertation committee and additional faculty members from the department

Please indicate your level of agreement with the following statements regarding your dissertation process:

My proposal meeting required me to articulate, and thus focus, my dissertation topic C C C C C C C C C C C C C C C C C C C	Strongly ee Neutral Disagree disagree
My proposal meeting provided me with criticism and feedback to improve my scholarship C C C C C C C C C C C C C C C C C C C	
feedback to improve my scholarship C C C C C My proposal meeting imposed a "timeframe" for me to gain preliminary results and/or keep me on track C C C C C C C C C C C C C C C C C C C	0 0 0
My proposal meeting imposed a "timeframe" for me to gain preliminary results and/or keep me on track C C C C C C C C C C C C C C C C C C C	
with criticism and feedback to improve my scholarship C C C	0 0 0
My advisor responds appropriately to my requests for	e e e
feedback C C C C	0 0 0
My advisor responds in a timely manner such that I am able to proceed with my work C C C C	• • •
My dissertation committee's behavior has unnecessarily impeded my progress O O O O O	0 0 0
Since my proposal meeting, my committee has significantly altered the original expectations of my dissertation C C C C	

Which statement best describes the involvement of the dissertation committee members (excluding the dissertation advisor) in your dissertation process:

- C The committee members are mostly uninvolved until the dissertation is being reviewed for formal approval
- C The committee members are involved through informal advice/mentoring throughout the dissertation process
- ${\bf C}$ The committee members are involved via mandatory meetings to provide feedback on the dissertation progression
- C At least one of the committee members is very involved through direct research/collaboration with me
- O Two or more of the committee members are very involved through direct research/collaboration with me

Q16 How often have you done the following activities since enrolling in your doctoral program?

	Never	1 - 2	3 - 4	5 or more
Presented an oral or poster session for an international, national, or regional organization	О	o	О	o
Presented an oral or poster session for a UM-specific academic event	0	0	0	0
eceived an award/honor from a international, national, or regional organization	О	0	0	0
Received an award/honor from a UM-specific academic department/event	•	0	0	0
oplied for and/or received a grant on your own through an international, national, or regional organization	0	0	0	0
applied for and/or received a grant on your own through a UM-specific academic department	•	0	0	0
Worked with faculty member on a research team	0	0	0	0
Submitted a research article for publication	0	0	0	0
Published an essay, creative work, or book review	0	0	0	0

How often have you done the following in a peer-reviewed publication?

	Never	1 - 2	3 - 4	5 or more
Published as a first author with a faculty member as the				
second author	0	0	0	0
Published as a second author with a faculty member as the				
first author	0	0		•
Co-authored a publication with another student(s)	0	0	c	0
Solo-authored a publication	0	0	•	9

Which statement best describes the publication expectations of your department?

- O It is required of all students to submit for publication before graduation
- O It is not required for students to submit for publication, but a significant number do submit
- O It is not required for students to submit for publication, but it occurs sometimes
- O Do not know the departmental expectations for publication

Does your department offer the following for graduate students?

	Yes	No	Unsure
Orientation program for new graduate students	0	0	O
Assistance in finding available assistantships	•	c	0
Information on fellowships/grant money	c	c	0
Formal peer mentoring program for graduate students	0	c	0
Help from dissertation advisor in preparing work for			
publication submission	0	<u> </u>	o
Advice from dissertation advisor about suitable publication			
outlets	0	0	0
Help from dissertation advisor in understanding and			
responding to comments from publication reviewers	0	0	0
Dissertation advisor's calling or emailing editors/publishers			
to encourage them to consider your work	0	0	0
Opportunities to present a seminar or paper to the			
department/campus community	0	0	o
Opportunities to give feedback on your experience with			
department (exit interviews, satisfaction surveys)	0	0	0
Funding for conferences and/or conference travel	0	0	0
Funding for doctoral student research	0	0	0

Thus far in your doctoral program, have you participated in a job search?

O Ye

O No (Skip the next question)

Did you request the following types of job search assistance	from your dissertation advisor?		
	Yes, I asked for this assistance and received it	Yes, I asked for this assistance but did not receive it	Did not ask for this type of assistance
Write letters of reference	0	0	0
Respond by phone/email to questions from prospective employers	•	c	c
Help you prepare a job market paper	c	c	c
Critique of interview and seminar presentation skills	0	0	0
Help you prepare a job dossier (e.g., CV, teaching portfolio,			
electronic portfolio)	0	0	o
Call and/or email colleagues to urge them to consider a			
student for a job	<u>0</u>	<u>o</u>	<u>o</u>
Help you choose appropriate jobs to apply for	0	O	0
Which of the following are your current primary sources of fu	nding for your doctoral program and	I rolated living evnences? Please select u	n to three sources of funding
Amen of the following are your current primary sources of the	First	Second	Third
Assistantship (TA, RA, or GA)	0	C	0
University/college/department scholarship/fellowship	0	Ö	0
External scholarship/fellowship (i.e., government,	9	9	9
professional associations, foundations, etc)	O	O	O
Loans	0	0	0
Savings	c	c	c
Spouse/partner	0	0	0
Parent/other family	C	c	c
Full-time employment (on- or off-campus)	0	•	•
Part-time non-assistantship employment (on- or			
off-campus)	0	0	c
Other (Please specify)	0	0	0
What is/are the non-listed primary sources of funding?			
Please provide an estimate of your UNDERGRADUATE education C \$0 C a.\$1 - 24,999 C \$25,000 - 49,999	C	0 \$50,000 - 74,999 0 \$75,000 - 99,999 0 \$100,000 or more	
Please provide an estimate of your GRADUATE educational de C \$0 C a.\$1 - 24,999 C \$25,000 - 49,999	c) \$50,000 - 74,999) \$75,000 - 99,999) \$100,000 or more	

To what extent have the following been an OBSTACLE to you			Minor ob	strala	Alast au	obstacle
Lack of affordable housing	Major ob. O		MINOF OD		NOL at	Obstacie
Availability of daycare for children			0			0
Family obligations other than child care	Ö		O			Ö
Immigration laws or regulations	0		0			0
My advisor	Ö		Ö			0
My academic department	Ö		0			0
Lack of study space for graduate students	Ö		0			Ö
Lack of graduate student work space (e.g., office or lab)	Ô		Ö			Ô
Which of the following activities have you participated in to i	mprove your teach)ff-campus workshop	os		
☐ Taking a course ☐ Course on teaching through your department		□ I e	xperience	of these activitie	s because I have prior	-
☐ Departmental workshops ☐ Campus workshops (e.g., Center for Teaching Excelle	nce)	L 1	have not done any	of these activitie	s regardless of prior exp	perience
What is your primary career goal? O Tenure-track faculty position at doctoral degree gran	ting institution		tesearch-oriented (n igher education)	on-tenure-track	position; e.g., industry,	government,
O Tenure-track faculty position at non-doctoral degree O Non-tenure-track faculty or instructional position	granting institution		applied practice (rese Higher education adm		ary function of position)	
To what extent do you agree that your department's climate	and policies are in Strongly	clusive of the follow	ring groups of peop	ile:	Strongly	
	agree	Agree	Neutral	Disagree	disagree	I don't know
Female students	0		0	ō	ō	0
Female faculty	0	0	0	0	0	0
Students of racial/ethnic minority	0	0	0	0	0	0
Faculty of racial/ethnic minority	0	0	0	0	0	0
Part-time students	0	0	0	0	0	0
International students	0	0	0	0	0	0
International faculty	0	0	0	0	0	o
LGBT students	0	0	C	0	C	0
LGBT faculty	0	0	0	0	0	0
Students with a disability	0	0	o o	O	0	0
Faculty with a disability	0	0	0	0	O	o
Students with children	0	0	C	C	0	0
Faculty with children	Ö	o	Ö	Ô	Ô	Ô
Please indicate your level of agreement with the following st	atements:					
	Strongly agree	Agree	Neut	ral	Disagree	Strongly disagree
I enjoy being a doctoral student at the University of Maryland	О	O	0		О	c
I am receiving a quality doctoral education at the University of Maryland	C	0	0		C	
		<u> </u>	9		<u> </u>	9
If you were to do it over again, would you pursue graduate s						
	Definitely	Likely	Unlik	•	Definitely not	Don't know
At this university	0	0			0	0
In your current department/program	0	0	0		0	0
In your current field			0		o	<u>c</u>
In another field Would you recommend your degree program to prospective C Yes	students?		Insure		9	9
C No When you entered your PhD program, how long did you antic	ipate it would take	you to complete yo	ur degree?			
O 3 years or less			years			
O 4 years			years			
O 5 years		0.9	years or more			
O 6 years						
At this point in your PhD program, what is your best estimate C 1 year C 2 years	of how many mor	. 06	o complete your de years years	egree?		
O 3 years			years Lyears			
O 4 years			years or more			
O 5 years			, 10.0 0. 110.0			