### **Humboldt State University PRE- REU Survey, Summer 2007**

We would like to evaluate the effectiveness of the Humboldt State University Research Experience for Undergraduates: Role Modeling in Sciences Program in which you are a participant. The information collected will not be use to evaluate you personally, but to provide us with insights to better serve you and future students in this program.

#### **PART I: EXPECTATIONS**

Below are a series of statements about your expectations related to the REU-RMS program. Please select the rating that best describes your level of agreement with each statement below.

I expect the REU experience...

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
1. To be challenging and fun.	# W 1 100 1 100 #	To a come of To	\$ 1 mm 1 mm \$	y comenny	y (m) my	y we ( me ) ne Jene ( me ) 25	v momen
2. To provide me with faculty mentorship.	paraura, j.	Lowermen's C	permermo p	perment p	jemem j	Janes same (s. ).	paneraner p
3. To help me better understand how to do research.	9 70 1 180 1 180 9	Cassair C	\$ 1100 1100 \$	9 (11111/11114) 90 (11111/1111), z	e intime	# 1000/1000/10# _2000/1000/10 <sub>1</sub> 7_	e :mi.mi.e
4. To encourage me to pursue my own interests.	WIANIA.	mennei .	7, 100 f 100 1, 100 f 100	21.1001.00h	; m; m	meraners,	;mm;mm;
5. To socialize with students like myself.	# 11 1811 1824 \$11 1811 182 Jr.	r memir.	V 14 ME (MAV) NE 1 ME (MA) Jo	V 17 M11 MW M11 M11 M11 Jo	r imime	4 mil mil m Jani 1 mil 1 mj	# (1111) 11111 (#)
6. To socialize with other faculty members.	WIANIA.	paramet , , , , , , , , , , , , , , , , , , ,	y mae ma	ermerm m		June 1 mar 1 m	; marinum; ; imm; marinum; mar
7. Please describe an		-			-	_	

other faculty members.	ye i meri m	marinaris.	y ane e ann	ermerm	juncum Jenucum J	METALITICA METALITICA	guerame Graverame
7. Please describe an	y additional e	expectations the	at you have ir	n participating	ງ in the REU proເ	gram.	
	nunt i mas e mus e	e mat emat emat emat emat emat emat emat	une aune aune aune aune aune aune aune a	muse muse muse muse muse muse anne e muse muse anne e muse muse anne e	mme mme enne enne enne enne enne enne e	unet must munt e must must e must must e	ma (
	1987   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988		1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1981 (1	1000 f	(MI) (MI) (MI) (MI) (MI) (MI) (MI) (MI)	900   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000	

## PART II: EXPERIENCE, KNOWLEDGE AND ABILITY

#### A – Exposure to Science of Design

Below are a series of statements about your current level of experience, knowledge, or practice related to Science of Design activities. Please select the rating that best describes your level of agreement with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
1.I am familiar with     creative tools that can     be used across different     disciplines.	/mir/mir,	g amerama ; g g amerama ; g g g g g g g g g	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	100 1 100 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1	grantrani g g g g g g g g g	gueraners.	48.748.748.
2.I have not had much experience with activities requiring creativity.	9 marianes) Juni (mari	Comernil omernic	V maximus i	! we som s k! we som s k	V smemit smemi s	Smermerst	y y
3.I have had prior training in understanding design.	Americanics of the second seco	ymromi, y	; mar 1, mar 1 m m m m, m m, m m, m m, m m, m m, m m	ju i sau i sa <sup>2</sup> - j ju i sau i sa <sup>2</sup> - j ju j ju j ju j ju j ju j ju j	gemeend g	gunt suurs , , , , , , , , , , , , , , , , , , ,	Normal control of the
4.I am knowledgeable about components of design.		,	; mm ; mm ; m		grantenia ,	mermer.	**************************************
5.I am comfortable with engaging in design activities.	re innermere Zimerimer <sub>ille</sub>	V emecmoV emecmos ,	Se same same see	# 100   100   12 100   120   12	V 11101 mil V 11101 mil s	r meemeer	r r
6.I understand what Science of Design means and how it relates to computer systems design.	r innime General G	" envenue" " "envenue",	e menmee Gmenmel E	" ser som s d" pts mer som s dt	" come mil" "come mil"	e memore Gmerme Eg	r r
7.I have had training in understanding design but have not had experience in applying it in computer systems design.	gamen auch g g g g g g g g g g g g g	ganerous, g g g g g g g g g	mariner	greeneral g	general g g g g g g g e e e e	guernari, g g g g g g g g g g g	THE CONTROL THE CO
8.I have had experience in working with others on a design team.	V (millimis) Zimillimis	V emermoV omermoi-,	y saarsaanse	l 30 1 200 1 Kl 200 1 200 1 K	V ermermil remermir s	s marinariss spansamors	× × ×
9.I understand factors that should be taken into account for successful teamwork.		And the second s	gantani g	1 000 / 100			Marian Maria
10. I am familiar with ways for brainstorming ideas.		Americani,	; mm ; m		grantenii grantenii	mermer.	(1000)(1000)(100) (1000)(1000)(100)
11. I understand how brainstorming ideas contributes to design and creativity.	imarima. Jamarima	(meemi)	emerane	00 1 200 1 12 T	7 mm 7 mm 2	mermer.	

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
12. I am familiar with group problem solving methods for choosing alternative solutions.		ymermi H Samenni :	9.000	menneral.	yemremi di di	Zantani Z	Compounds (
<ol> <li>I understand the difference between constraints and criteria in design parameters.</li> </ol>	e imitmie	* omenne* o	e sumsum e	<sup>9</sup> चा १ तथा । ती स्था १ तथा । ती	" (स्वास्त्राणी (स्वास्त्राणी )	4 milmits pairimits	r :
14. I have practiced skills for organizing and running team meetings.			imerimer Jamerimer	30 1 300 1 1K	1 m 1 m 1	gare entre d	
15. I understand what "functional fixedness" means and its relationship to design.		emerene	juntamo,	MET LANGE AT THE STATE OF THE S	emermi g		
16. I understand what considerations that must be taken into account in the ethics of design.		Secure and	.y=1=1.5	if we cave cat if	Permerand	;=1=1;;	Amazimizma.
17. I understand what considerations that must be taken into account in designing for diverse audiences		antimo merina		gant take take ga ga ga ga ga ga ga ga ga ga ga ga ga g	ermenning		Acconcess  Acconcessa
18. I have not had much practice in the verbal and written communication of design projects.	grant and gr grant and gr grant and gr grant and gr	go me megg	),	क्रीका का नहीं का कार के	Brane militar		**************************************
19. I am familiar with the purpose of and steps in the process of redesign.		panerami ;	;m::m:;	300 1 500 1 1 T	gemeende d	gentament,	
20. I am confident of my ability to explore approaches to problem solving for problems that are unfamiliar to me.	e smesmee 27 mesmes <mark>a</mark> g	" imino" imino, .	e summe i punsun g	" we me i d" me me i d	" गामगाणी गामगाणे ४	e momore sparimose,	r s

#### **B** - Exposure to Research and Computing

Below are a series of statements about your level of exposure to research and computing just PRIOR to the start of the Summer REU program at Humboldt State University Please select the rating that best describes your level of agreement with each statement.

In the last two years, I have ...

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
1.Completed a research methods course.	, ,	( m) m) k	(W18W18A)	' mu i mu i T	, ,	e v i mo i mik	e : 11111 1 1 11111 1 1 1
	4 4	surmirk i	"garraurik"/	moment.	4 1	" rement."	Spanner Sp

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
2.Completed a statistics course.	, ,	l mermerk	1 11/11/15/	( m) m) {	, ,	( venneenik	e :11111 1 111111 1 1 e
	, ,	411 1 1811 1 1 R	gurania j.	\$111/\$1111/1 .	, ,	KIMKIMK .	.yuuruur. <b>y</b>
<ol><li>Completed a computing course.</li></ol>		2 m 1 mm 1 m2 m 1 mm 1 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2	ZW 18W 18A	<b>3</b> ma 1 mm 1 <b>m</b> 2		Generally kemerally	3 mm 1 mm 1.3
Been involved in a research project.	Newsymptoms. Newsymptoms	) w 1 dw 1 dd 1	711 (2011 20.7) 2011 2011 20.7	Zm11mm+Z m11mm+2	**************************************	Geneembel	yaaraan
<ol><li>Been required to make presentations.</li></ol>	Vencesce. Vencesce.	germerk g g g g g g g	90 1 100 1 10. 90 1 100 1 10.	marinaria.	m.cm.cm.	gemeend g	
<ol><li>Participated in a professional science conference.</li></ol>	Newsonsk Newsonski	garranick g garranick garranick and an	19 1 100 1 10. 19 1 100 1 10. 100 1 100 1 10.	guer muer 2	, comovanos,	gemeend g	3000 x 1000 x 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
<ul><li>7. How long have you</li><li>8. Why are you intere</li></ul>							
							ermermermermermerme z

#### C. Research and Academic Skills

Below are a series of statements about your current level of experience, knowledge, or practice related to research and academic skills. Please select the rating that best describes your level of agreement with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
1.I am confident in my knowledge of research methods.	y mer must .	A Comment	MATERIAL A	pormei .	Thermoren's Designation of the Control of the Contr	yomeomi ,	y mae i ma <sup>2</sup> , mae i ma
2.I am confident in my ability to develop research questions which are interesting and researchable.	;; ;;	Year constraints.	i me e nome de la companya de la com	3 m (1 mm) 23 m (1 mm) 2	Year, water and the second of	ZemeniZ Zemeni	Francisk
3.I am confident in my ability to find research articles.	* 1 mm; mm <sup>2</sup> .	, i	r mermerk	* mermerž mermeri -	* *	r remermik	**************************************
4.I am confident in my ability to discuss research findings.	francomity	The control of the co	for our of	fra emerif	The control of the co	francisis.	of conserved of

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
5.I am confident in my ability to conduct a literature review.	V i mer mu!	r y	¥ 1111 1 1111 1 1 1 1 1	¥ 1111 1 1111 1 1 1 1 1 1 1 1 1 1 1 1 1	y y	V v j mov mot <sup>M</sup>	Y vi mei my
6.I am confident in my ability to present research findings.	emeemie s		marinarit.	memori.		Resulted in the second of the	ne mee mie Gee mee mie ne mee mie
7.I am confident in my ability to cite authorship.	g may mud. g	Vancance A	MATERIAL AND	mormore	Yanvanca.	ar sinter sinte ar sinter sinte	gemeende g g g g g g
8.I am confident in my ability to evaluate the quality of a research study.	de mus model	Succession of the second of th	American Andrews		*Maccalconic	Aramonia d	Eremoenië k
9.I am confident in my ability to write up research for publication in a scientific journal.	* rainat	, , , ,	e memerk	e memert memeri		Cermeniil semenii	9 v j 2004 i 2008 18 v j 2004 i 2008 i ,
I think learning to do research is enjoyable.	J's mer muist,		g was some s soft	Grave some in G		9	gremenich. Remens
21. I find research to be challenging and exciting.	omemi.	Vancous vancou	MITTER S	mermeri.		\$1.000 cm \$2.000	granernië ;
22. I am easily frustrated when doing research	* i mur mu". i mur mu". s	, i	* meent	* mermert mermeri .	* *	* v j me e mik* * v j me e mik* ,	* remorm* remorm* ,
23. I am confident in my ability to use technical and scientific written tools.	y mary man; y y y y y y y y y y y y y	Noncomos "Journmos"	anovamova , and anovamova , and anovamova ,	Common of the co	Noncourse	Aromerous .	germarenaë g g g g g g g g g g
24. I am confident in my ability to design and use a Gantt Chart.	t rueruit. Ermeruik s	· · · · · · · · · · · · · · · · · · ·	* marmark  -   marmark  -	memeri memeri	e e	* remernik * remernik *	* remornik * remornik * .
25. I am confident in my ability to design a research poster.	i mar mad		The same of the sa	Part sant in the sant sant sant sant sant sant sant sant		9 - 100 - 100	e e mar e marie
26. I am confident in my understanding of ethics in science.	V i mer mui! i mer mui!	v v	₹ 100130013 <b>₹</b> 200130013\$	¥ mirmir <b>ž</b> mirmirž	r r	# 21 me 1 mb# # 1 me 1 mb .	y remornity somernit
27. I am confident in my computer literacy skills.	Zemermiz	**	of mar some s de f	Space success	**	i je sme smli j	Permermär
28. I am confident in my ability to prepare an application to graduate school.	g mee mil.	(moranos Americanos 1	MINISTER A		Yesteron Verseon	gemeend a	gemeende g
29. I am confident in my ability to succeed in graduate school, should I decide to attend.	Comernil omernik s	y y	l wismish	t menmet menmeri .	, ,	Unanat uaná .	र २० मारा गाउँ ४० मारा गाउँ ,

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
30. I have some experience in	¥ 1 mm 2 mm?	r r	F me same s F	¥ 11111 1 11111 1 1 1	y y	# v pace mit	* v1.mx1.mx*
research project management.	) 1001) 1001. A	y 1	2001/2001/\$ ,	mermers .	, ,	remeenik ,	nemermä.

**PART III: FUTURE GOALS** 

A - Think about your long term academic and career goals and plans, and select the rating that best describes your level of agreement with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
I place a high value     on the role of research     in my future career.	e mez mui	Yancasta. Tantanca:	and the state of t	en como i	Yancasta Vastasta	grante and	y man i ma' g
I would be     Interested in enrolling     in more courses     related to research.	t ment. Consults	8 F	* vanuerk * vanuerk :	(mennet) (mennet)		* rement ** rement :	' remoent ' remoent
Participating in research during graduate school is not a major priority for me.		Zeomenica. Teomenica	grant to the state of the state	generalis,	Jacomorano. Tecnologia	germent of	genaende,
Developing research skills is an important part of my career goals	France med F	March Control	god or some stage of the source of the sourc	en e	***************************************	e me e mange	kement
5. I would not enjoy working on a research project.	emermi e		meramek ;	mermeri :		rememb ;	yemeenid
6. I would enjoy a research oriented job or a job which has some element of research in it.	" i mer mu".	* * *	e mermerk mermerk ,	e memert		* viminit* v	ण्यासम्बद्धः सम्बद्धाः
7. I would be interested in doing research in a university setting.	gemeende, g	Tacking and the second of the	mer (mer) A	mermeri	Tencence Anomarea	germeend germeend	geneerme g
8. I would be interested in doing research in an industrial setting.	* rmemi*.	* t	" winnist".	* marmark marmark .	* *	" पासवार्वी स्टास्टराई :	** ** *** *** *** *** *** *** *** ***
9. I would be interested in a career in computer Science / IT.	y mue mui. y ji	Yoursmoot Journmoot	AMERICAN A	prosimo i	Newsons	genteemi g	y emoe emo e iii iii iii iiiiiiiiiiiiiiiiiiiiiiii

B - Please indicate your level of agreement with the following statements concerning your future educational goals and select the rating that best describes your level of agreement with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1.I would like to obtain     a Master's degree in a     science field.	Francomist Marie Marie Francomist	Ayensement. Ayensement.	Secondary of the second	Pour sour in Pour	A CHANGE CONT.  A CHANGE CONT.	France and F
I would like to obtain     a PhD in a science     field.	emermi.		200 ( 1000 ) A .	mermeri mermeri	Tancomican Tancomican	gamenad
3. I would like to attend graduate school majoring in computer science/IT.	* rmr==** rmr==*	, , , , , , , , , , , , , , , , , , ,	t weeners.	e mermert mermert		erment.
I would like to attend graduate school in another field.	granerani g	1	garranors g	garmit g	A VARIOUS A	geneend g
5. I would like to work before going to graduate school	* rmemt	· · · ·	* menmerk **	* mermert * mermert .		* remorati * remorati
6. I am not interested in graduate school.				giller e same è gille		generande

#### .Part IV - HELP SEEKING AND COPING

A. Please indicate the rating that best describes your typical reaction by checking the appropriate box.

If I were having difficulties with one of my mentors, I would...

	Always	Often	Usually	Sometimes	Never
1. Talk to a friend about it.	10 1 100 1 1		guraners.	y 1 100 1 100. 6 6 6 7	smarma e
2. Talk to the mentor about it.	90 1 1000 1 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2	Non-comit	907 A007 A	9 / 100 / 100. 9 / 100 / 100.	y mar i mar ir y mar i mar ir y mar i mar ir s
3. Talk to the program director about it.	201 1000 1 1	Newsware Newsware	WEATHER.	Trinterine	American
4. Consider leaving the program.	iternernist menserni	And the second s	2001 AND 18.25	\$1.000 to \$	in and the second
5. Do nothing.	greener nig		gueranes s	ger mer me g	francismi i

B. Please indicate the rating that best describes your typical reaction by checking the appropriate box.

If I were on a student team and having difficulties with one or more of my fellow team members, I would...

	Always	Often	Usually	Sometimes	Never
Talk to other members of my	( nemermit	, ,	1 111/1111/11	1 V 1 MH 1 MH 1	t rooms must
team.	प्रामकार मेर्ड ४	× 1	.zm12m1x.7j	30 / 100 / 100 , j.	imminue z
2. Talk to other REU students	g nemer mit	, ,	9° 111/1111/149	9 41 1001 100.0	g comes musig
who aren't on my team.	<i>प्राचना</i> ते 1	× 1	Z#12#12.57	JE 1 1881 1 1882, Jr.	1.0001.000 P 2
3. Try to switch teams.	gemeenk <sub>e</sub> g	# # # #	yeaner <sub>2</sub>	yemenm j	zmarmie z
teams.	ii	7 7	juanas)	Jermenn.)	i i i i imerime i
4. Talk to my mentor about rectifying the problem.	e e e e e e e e e e e e e e e e e e e	*X	gmenmers.g	27138138.3.	i mining
r					
5. Do nothing.	enneme, sement	*	e meemeen	* ** 1 M* 1 M**************************	, marmet,

# **PART V – Respondent Information**

Please check the appropriate box where needed.								
1. Gender								
Female Male Prefer not to specify								
2. Age Years								
3. Ethnic identity: please check the one that best describes your ethnic identity								
Asian or Asian America, including Chinese, Japanese and others Black or African American Hispanic or Latino, including Mexican American, Central American, and others White, Caucasian, Anglo, European American; not Hispanic American Indian/Native American Alaska Native Native Hawaiian Pacific Islander Prefer not to specify Other (please specify)								
4. Which university/college do you attend?								

5. Where were you immediately before starting at this REU program?
4 year college  Vocational/technical College  2 year college  Military
Working full time  Other: please specify
6. Please circle the type of degree you are currently seeking.
Associates Bachelors
7. Please indicate the year that you are currently in during your studies.
First Second Third Fourth Fifth and above
8. What is your academic major?
9. Second major (if applicable):
10. What is your expected graduation date?
11. When you were an incoming first year student, what were you considering as a possible major?
I was considering computing/IT related fields as possible majors.  I was undecided.  I was not considering computing/IT related majors. I was considering majoring in
Part VI – Respondent Feedback
1. What do you most hope to gain from your participation in the REU?

۷.	what concerns do you have about participating in the REO?
3.	Please provide any additional comments, suggestions and concerns you may have regarding this summer REU.
gamenani	

Thank you for taking this survey!