Name \_\_\_\_\_



## UNIVERSITY OF CALIFORNIA, SAN DIEGO CONSENT TO ACT AS A RESEARCH SUBJECT

## ELECTROPHYSIOLOGICAL STUDIES OF LANGUAGE AND MEMORY

Marta Kutas, Ph.D. and her associates are conductorial processes stimuli (pictures, words, objects, seen in the electroencephalogram or EEG (brain). The electrical responses of the skin can be seen electrodes contacting the skin (of the hand/arm). miniature video cameras mounted either on a headly on a desk or computer monitor.	sounds). The electrical responses of waves) recorded from electrodes contain the electrodermal activity (EDA Eye-movements can be recorded electrodermal ele	the brain can be tacting the scalp. c) recorded from actrically or with
You have been asked to take part as one of approximation in this study, the following may take place in one of	•	•
Session 1: hour(s)	Session 2: hour(s) or	_ None
You will sit in a chair perhaps in a soundproof chamber and be asked to attend to the stimuli mentioned above. You may be asked to listen to sounds from speakers, headphones, or earphones. You may be asked to respond (manually, verbally) to stimuli. You may be asked to fill out a questionnaire about the stimuli (recognition, recall, multiple choice). You may take some simple tests and be asked to: (a) read aloud, spell, or define words, take test of grammar; (b) read a number of sentences and repeat the final words in order; (c) fill out questions on handedness, prior experience with EEG recordings, education and health history.		
One or more of the following also may take place,	as checked:	
Your EEG (brain waves) will be recorded.		
Electrodes will make contact with your scalp via an elastic cap and will be removed after the experiment; some electrodes will be attached via sticky electrode collars. Your skin will be slightly scraped as gel is inserted in each electrode and cleaned with water after the experiment.		
Your eye movements will be recorded and	your head stabilized.	
Electrodes will be placed around your eyes to recokeep your head still your head will be stabilized will plate. You can adjust or remove the bite plate at an	vith an adjustable, sterilized, palatal d	
Your eye movements will be recorded via	eye scanner.	
You will either: (A) Wear a padded headband with your head. Cameras attached to the headband will focused on the pupils of your eye. –OR– (B) Came front of you. To allow the cameras to track your eyesticker on your forehead or to place your head in a	I be positioned a few inches in front eras will be mounted on a computer m yes, you will be asked either to wear a	of your face and conitor or desk in

Participation may involve the following possible risks or discomforts:

1. The brain waves are measured with standard polygraph machines which are designed to make this procedure harmless. The potential risk of electric shock is minimized by proper electrical grounding of subjects, by isolation of electrical stimulation devices from ground, and by placing very sensitive fuses in these ground circuits. In rare cases, people sensitive to medical settings may experience

Subject's Signature

light-headedness, queasiness, or fainting. The potential risk of this happening is minimized by screening for a history of such episodes.

- 2. The stimuli will be of low intensity and will be painless. You will not be placed under any stress.
- 3. Possible discomforts are that a little electrode gel may remain in your hair until it is washed, the skin under the free electrodes and/or the eye camera headband may be reddened for a short time, or the mouth plate may cause some discomfort.
- 4. When completing the questionnaires, you may experience anxiety or frustration. If you are too uncomfortable, you can terminate the experiment at any time. You may decline to answer any questions.
- 5. All data and information you provide for this experiment will be kept confidential to the extent provided by law. You will be asked questions that should their answers become known outside the research setting could affect your ability to obtain insurance or a job. The risk of loss of confidentiality is minimized by keeping printed information in locked files. Data are stored on computers protected from unauthorized access by passwords and contain no information that could be used to identify individual persons. Access to research records is restricted to Dr. Kutas, her associates, and the UCSD Institutional Review Board.
- 6. Because this is an investigational study there may be some unknown risks that are currently unforeseeable. You will be informed of any significant new findings.

If you are injured as a direct result of participation in this research, the University of California will provide any medical care you need to treat those injuries. The University will not provide any other form of compensation to you if you are injured. You may call the Human Research Protections Program at (858) 246-4777 for more information about this or to inquire about your rights as a research subject or to report research-related problems.

There will be no direct benefit to you. The investigators hope to learn more about how the brain operates

when we attend to, try to understand, learn or memorize new material.	•
<ul> <li>You will receive cash payment [\$9 per hour \$15 per hour ] for participating study.</li> <li>You have chosen to receive academic credit in lieu of cash payment for participating participating study.</li> </ul>	
You will receive cash payment [\$9 per hour \$15 per hour ] for each how for which you receive credit for participating in this study.	
If you are a student, equally accessible alternatives exist for you to gain credits that participating in this study.	are offered for
has explained this study to you and answered your questions or research-related problems, you may reach Marta Kutas, Ph.D. at (8)	•
Participation in research is entirely voluntary. There is no cost for participation. You participate or withdraw at any time without jeopardy to the medical care you may institution or loss of benefits to which you are entitled. You may also be withdrawn from investigator feels it is in your best interest or for other study-related purposes. If you wi from the study, please inform the study staff.	receive at this the study if the
Research records will be kept confidential to the extent provided by law.	
You have received a copy of this consent document and a copy of "The Experimental Subject's Bill of Rights." You agree to participate.	Human Research Protections Program UC San Diego

Witness

Date

08/04/2016