



**OU-Research Experience for Teachers
(OU-RET)
At the University of Oklahoma**

APPLICATION FOR Summer 2011
(deadline May 2, 2011)

Please print clearly or type

Legal Name _____
Last First Middle

Maiden Name or other name under which transcripts may have been issued: _____

Current Address: _____ Current Phone: () _____

Street City State Zip

Current Email: _____

Permanent Address (if different from above address): Permanent Phone: () _____

Street City State Zip

Place and Date of Birth: _____, _____ / ____ / ____
City State Month Day Year

Ethnicity: _____ Gender: _____

Undergraduate Schools Attended (Please use the back of this application for additional schools attended.)

College or University	Location	Dates Attended	Degree & Major
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Graduate Schools Attended (Please use the back of this application or another sheet for additional schools attended.)

College or University	Location	Dates Attended	Degree & Major
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1. Submit **two letters of support** from your principal, superintendent, teaching colleagues, or faculty members in your discipline that address
 - a. how the individuals are acquainted with you and your work and
 - b. the quality of your work and potential for success through the OU-RET program.
2. Submit a **resume** or curriculum vitae.
3. Submit a typed **statement** limited to 500 words that describes why you are interested in this program and how you expect it to enhance your teaching of science and mathematics.
 - a. Explain your immediate and long term goals as an educator.
 - b. How many years have you been teaching? (Please define your experience in terms of public and private instruction.)
4. Please submit a typed 150-200 word **autobiographical statement**. Prepare a paragraph in third person highlighting your academic achievements ((including any post-graduate training) and professional interests, including honors, awards, publications, presentations, and co-curricular involvement, and the activities in your past that demonstrate your interest in teaching.
5. For promotional literature, please sign the attached Talent Release Form.
6. Due to NSF policies and conditions of this research grant, you will be required to sign the attached Informed Consent Form prior to your appointment as an OU-RET participant.

I certify that all the statements I have made on this application are correct and complete, and I hereby authorize the selection panel of the OU-Research Experience for Teachers (OU-RET) project to make all necessary eligibility checks with the information provided.

Signature of Applicant: _____ Date: _____

Application deadline: (Applications will be considered until all positions are filled)

Mail to

Chen Ling, Ph.D.
202 W. Boyd, Room 124
Norman, Oklahoma 73019-1022
Phone: (405)325-4185, Fax: (405)325-7555
E-MAIL: chenling@ou.edu



TALENT RELEASE

PERFORMER (Student's Name): _____

ADDRESS (Campus or Permanent): _____

CLIENT (Department): Industrial Engineering

JOB NAME: *Photography for departmental publications including but not limited to the department's website, promotional brochures, newsletters, postcards, etc.*

For the consideration received, including but not limited to publicity, the adequacy of which is hereby acknowledged. I hereby grant to the Board of Regents of the University of Oklahoma, their successors and assigns, and those acting under their permission, or upon their authority, or those by whom they are commissioned:

- (1) The unqualified right and permission to reproduce, copyright, publish, circulate and otherwise use photographs and/or motion pictures of me, and voice reproduction, whether taken in a studio or elsewhere, in black-and-white or in colors, alone or in conjunction with other persons or characters, real or imaginary, in any part of the world. I hereby waive the opportunity or right to inspect or approve the finished photographs, films or tapes or the use to which it may be put or the copy of illustrations used in connection therewith. This authorization covers composite, stunt, comic, freak or distortion, alteration or made by retouching or by using parts of several photographs or by any other method. All such use shall be for the purpose of promoting, supporting or otherwise furthering the mission of the University.
- (2) All my right, title and interest in and to all negative, prints, tapes, and reproductions thereof, and I do hereby release the aforesaid parties and their successors and assigns, if any, from any and all rights, claims, demands, actions or suits which I may or can have against them on account of the use of publication of said photographs and/or motion pictures or tapes. I have read and understood the release stated above and do hereby agree to its terms and conditions.

SIGNATURE

QUID# _____ DATE _____

University of Oklahoma Institutional Review Board Informed Consent to Participate in a Research Study

Project Title: OU-RESEARCH EXPERIENCE FOR TEACHERS
Principal Investigator: Chen Ling, Ph.D.
Department: Chen Ling, Ph.D., 202 W. Boyd, Room 124 Norman, OK 73019,
Phone: (405)325-4185. **Fax:** (405)325-7555,
E-Mail: chenling@ou.edu

You are being asked to volunteer for this research study. This study is being conducted at The University of Oklahoma at Norman and The University of Oklahoma at Tulsa. You were selected as a possible participant because you are a certified secondary science teacher who has taught in Oklahoma public schools for at least 4 years. Please read this form and ask any questions that you may have before agreeing to take part in this study.

Purpose of the Research Study

The purpose of this study is: to develop a successful model for: 1) engaging high school science teachers in engineering research (electrical and computer engineering, environmental engineering and science, and industrial engineering) at the University-level; 2) assisting teachers with integrating their research experiences into authentic, inquiry-based curricula and using action research to evaluate their progress; and 3) building a sustainable network of teachers and faculty who will facilitate these goals. Achieving these goals will engage teachers in environments that are learner-centered, knowledge-centered, assessment-centered, and community-centered.

Number of Participants

About 100 people will take part in this study.

Procedures

If you agree to be in this study, you will be asked to do the following:

If you agree to be in this study, you will be asked to do the following things: Participate in a 6-week workshop involving a research project in one of five topical areas: Environmental Engineering and Science, Industrial Engineering, Electrical and Computer Engineering, Structural Engineering, Biological Engineering. You will attend group meetings and one-to-one meetings with RET faculty to answer questions and assist in any problems you may encounter while integrating your research experiences

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into the curricula and your secondary classrooms; this will be called: Engineering Research Implementation Projects.

You will work with the OU-RET faculty to carry out the research plan that was developed. Group meetings with all teachers within a cluster will be held in conjunction with weekly research meetings. As part of the process, you will complete a pre-workshop questionnaire, a mid-year evaluation, and a follow up post-workshop questionnaire. You will submit (electronically) a journal describing your activities, ideas and thoughts about the program. You will meet with OU-RET team 2 times during the academic year 2011-2012 to submit lesson plans, narratives, interviews and pictures on the progress and implementation of project in classroom.

Length of Participation

The length of time for participation will be 2 years from the time the first participants attend the 6-week workshop until the final interviews are completed.

This study has the following risks:

Some of the research activities available to teachers relate to chemistry, microbiology, and structural characterization of natural and anthropogenic organic matter in different environmental compartments. Subjects will be working in a laboratory setting with some laboratory equipment. Because all necessary precautions and safety equipment will be used in the lab, there will only be minimal risk when subjects are working in a laboratory setting.

Benefits of being in the study are:

Provides teachers with a peer-support group working collaboratively in solving research problems and issues, i.e. they could teach and mentor each other in the research, curriculum development, and classroom implementation process. Teachers will learn how to integrate research experiences into authentic, inquiry-based curricula and using action research to evaluate their progress. Allowing teachers to be researchers in the classroom helps them improve their teaching strategies and enhances their students' learning experiences and peer interactions. Teachers will acquire an understanding of how their personal learning style impacts their teaching strategies.

Injury

In case of injury or illness resulting from this study, emergency medical treatment is available. However, you or your insurance company may be expected to pay the usual charge from this treatment. The University of Oklahoma Norman Campus has set no funds to compensate you in the event of injury.

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Confidentiality

In published reports, there will be no information included that will make it possible to identify you without your permission. Research records will be stored securely and only approved researchers will have access to the records.

There are organizations that may inspect and/or copy your research records for quality assurance and data analysis. These organizations include the National Science Foundation and the OU Institutional Review Board.

Compensation

You will be reimbursed for your time and participation in this study as follows: You will be provided with a stipend of \$4,000 for participation in this research disbursed in three separate payments. The first payment will be after the completion of the 6-week summer program on July 17, 2011, the second payment on the 17th August 2011, and the third payment will be disbursed on January 31st, 2012. This compensation will be terminated if the participant chooses to withdraw from the research project before its completion and pro-rated for only the amount of time you actually participated. In addition, you will be provided with a substitute in your classroom during times that you are working in the lab with the research team.

Voluntary Nature of the Study

Participation in this study is voluntary. If you decline to participate, you will not be penalized or lose benefits or services unrelated to the study. If you decide to participate, you may decline to answer any question and may choose to withdraw at any time.

Waivers of Elements of Confidentiality

Your name will not be linked with your responses unless you specifically agree to be identified. Please select one of the following options

_____ I consent to being quoted directly.

_____ I do not consent to being quoted directly.

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Audio Recording of Study Activities

To assist with accurate recording of participant responses, interviews may be recorded on an audio recording device. You have the right to refuse to allow such recording without penalty. Please select one of the following options.

I consent to audio recording. Yes No.

Video Recording of Study Activities

To assist with accurate recording of your responses, interviews may be recorded on a video recording device. You have the right to refuse to allow such recording. Please select one of the following options:

I consent to video recording. Yes No.

Photographing of Study Participants/Activities

In order to preserve an image related to the research, photographs may be taken of participants. You have the right to refuse to allow photographs to be taken without penalty. Please select one of the following options.

I consent to video recording. Yes No.

Contacts and Questions

If you have concerns or complaints about the research, the researcher(s) conducting this study can be contacted at (405)325-4185; email: chenling @ou.edu. You are encouraged to contact the researcher(s) if you have any questions.

Contact the researcher(s) if you have questions or if you have experienced a research-related injury.

If you have any questions about your rights as a research participant, concerns, or complaints about the research and wish to talk to someone other than individuals on the research team or if you cannot reach the research team, you may contact the University of Oklahoma – Norman Campus Institutional Review Board (OU-NC IRB) at 405-325-8110 or irb@ou.edu.

You will be given a copy of this information to keep for your records. If you are not given a copy of this consent form, please request one.

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Statement of Consent

I have read the above information. I have asked questions and have received satisfactory answers. I consent to participate in the study.

Signature

Date

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