



Summer Semester 2006

# Graduate Institute

## Member Universities

### Degree Programs

#### Louisiana State University

Engineering Sciences  
Environmental Studies  
Experimental Statistics

#### Mississippi State University

Civil Engineering  
Environmental  
Geotechnical  
Hydraulics  
Structural

Computational Engineering  
Engineering Management  
Electrical Engineering  
Industrial Engineering  
Computer Science and  
Engineering  
Mathematics and Statistics  
Business Administration  
Project Management

#### Texas A&M University

Ocean Engineering  
Oceanography

## Inquiries and Questions

Graduate Institute  
U.S. Army Engineer Research  
and Development Center  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199  
(601) 634-4279

<http://graduate-institute.erd.c.usace.army.mil>

E-mail: [graduate-institute@erd.c.usace.army.mil](mailto:graduate-institute@erd.c.usace.army.mil)

## The Graduate Institute

The Graduate Institute is an association of universities and the U.S. Army Engineer Research and Development Center (ERDC) through which academic credit and graduate degrees can be earned from Member Universities that offer programs at ERDC. The Institute was established in 1986 and functions through joint agreement between ERDC and Member Universities (Louisiana State University, Mississippi State University, and Texas A&M University). Academic oversight is given by the Graduate Institute Administrative Board, a group composed of a representative from ERDC and each Member University.

## The Graduate Program

Under the program, you may enroll as either a nondegree student or in a graduate degree program at a Member University.

If you plan a degree, it will be necessary to apply for admission from the Member University offering the program desired. Completed admission forms should be submitted to the University through the U.S. Army Engineer Research and Development Center, ATTN: Director, Graduate Institute, 3909 Halls Ferry Road, Vicksburg MS 39180-6199. Application forms can be obtained from the Director's office or from the Admissions Office at the University. Please note that if you have been accepted in selected out-of-state programs, you may be eligible to enroll on an in-state tuition basis through the Academic Common Market.

Upon admission as a degree candidate into a graduate program, it will be necessary to form a graduate committee to advise and work with you in the selection of a thesis topic and the selection of courses. The graduate committee will consist of members from the university graduate faculty and a member from ERDC who has adjunct, visiting, or affiliate faculty status. The committee will be chaired by a member of the graduate faculty appointed by the head of the major department. The Institute Director will assist you in contacting and making arrangements to form your graduate committee.

In addition to providing courses to meet degree requirements, the Institute also offers graduate credits in other scientific disciplines.

*The Graduate Institute does not discriminate against anyone because of age, color, national origin, race, religion, sex, or handicap.*

# Courses: Summer Semester 2006

## Mississippi State University

### Civil Engineering

**CE 8990. *Special Topics in Engineering: Asphalt Pavement Materials, Mix Design and Construction.*** (3). Instr. Dr. G. Anderton, ERDC.

A comprehensive presentation of asphalt concrete materials, mix design procedures, and construction techniques will be provided. Emphasis will be placed on a fundamental understanding of asphalt cements and aggregates, and how these materials affect mixture design and pavement performance. Modern asphalt pavement construction practices will also be presented. M & W, 3:00 p.m. - 6:00 p.m., Classroom No. 1, Bldg. 3072.

### Geosciences

**GG 6153. *Engineering Geology.*** (3).

Instr. Dr. J. May, MSU.

This course introduces the history, definitions, methods, and applications of engineering geology to various types of engineering projects. The course will address the relevance of geology to engineering projects through their life cycle from conception through design, construction, operation, and maintenance. This involves sufficient understanding of the opportunities and hazards from the earth science perspective. Emphasis will be placed on geologic conceptualization needed to assist engineers in developing projects.

M & Tu, 1:00-2:30 p.m. Classroom No. 2, Building 3072.

### Industrial Engineering

(First Term: 31 May – 30 June 2006)

**IE 6613. *Engineering Statistics I.*** (3).

Instr. Dr. S. Bullington, MSU.

Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, and statistical inferences. Simple, multiple, and polynomial models for regression and correlation. (Prerequisite: MA 1723.)

M - F, 10:00 - 11:50 a.m., Classroom No. 4, Bldg. 3072. (VTC).

**IE 8913. *Engineering Economy II.*** (3). Instr. Staff, MSU.

Advanced principles and methods for engineering analysis of industrial problems. Topics include criteria for decisions, project investment and analysis, and elements of risk and uncertainty. (Prerequisite: IE 3913 and IE 4713.)

M - F, 1:00-2:50 p.m., Classroom No. 4, Bldg. 3072.

### Business

**MGT 8112. *Leadership Skills for Managerial Behavior.*** (2).

Instr. Dr. D. Cochran, MSU.

Survey of major behavioral skills used by managers to help them understand and influence behavior in an organizational setting. (Prerequisite: MGT 8063 or equivalent.)

MSU Internet. Tuition: **\$771.00**

**MGT 8122. *Business Consulting Project.*** (2).

Instr. Dr. W. Martin, MSU.

A group project based, field study of strategic issues currently facing a participating organization. (Prerequisite: MGT 8121 or equivalent.)

MSU Internet. Tuition: **\$771.00**

**MKT 6143. *Sales Management.*** (3).

Instr. Dr. A. Balazs, MSU.

Application of scientific management to the selling and distribution of consumer and industrial goods. (Prerequisites: MKT 3013 and MGT 3113.)

MSU Internet. Tuition: **\$1,156.50.**

### First Term — 31 May – 30 June 2006

**BL 8112. *Law and Ethics Dispute Resolution.*** (2).

Instr. Dr. J. Bryant, MSU.

Legal and ethical issues faced by the business firm with emphasis on prevention and resolution of disputes, including mediation, negotiation and alternative dispute resolution.

MSU Internet. Tuition: **\$771.00**

**MKT 6213. *Internet Marketing.*** (2).

Instr. Dr. R. Moore, MSU

Introduction to practical marketing use of Internet technologies, including basic principles, impact on business and society, and strategic implications. (Prerequisite: MKT 3013).

MSU Internet. Tuition: **\$771.00.**

### Second Term — 6 July – 4 August 2006

**BIS 6513. *Microcomputers/Networks.*** (3).

Instr. Dr. M. McClintock, MSU.

Concepts and technology of local area networks. Experience in building and maintaining LAN hardware and software components.

MSU Internet. Tuition: **\$1,156.50**

**MGT 8111. *Human Resource Issues.*** (1).

Instr. Dr. D. Cochran, MSU.

Survey of nature and influences of human resource management in organizations. Case studies are used to apply and reinforce theory. (Prerequisite: MGT. 8063 or equivalent.)

MSU Internet. Tuition: **\$385.50**

### Calendar: Summer Semester 2006

30 May 06	Semester begins for TAMU.
31 May 06	Semester begins for MSU.
2 Jun 06	Last day to add or drop courses from TAMU.
7 Jun 06	Last day to drop a class from MSU without a grade.
14 Jul 06	Last day to withdraw from MSU.
19 Jul 06	Last day to withdraw from TAMU.
4 Aug 06	Semester ends for MSU.
7 Aug 06	Semester ends for TAMU.

### Registration

Registration will be held 1-17 May 2006, 8:30 a.m. until 4:00 p.m., Building 3072 at ERDC.

### Tuition and Fees

MSU – \$719.25 / 3 SCH (Except as noted for MBA classes).

TAMU – \$1,799.28 / 3 SCH.

Tuition and fees are payable at registration by check or money order. Corps employees must bring a copy of an **approved** purchase request (DD Form 1556).

### New Students and Readmit Students

**New students** enrolling in courses from MSU **MUST** have a copy of their undergraduate transcript mailed to the Graduate Institute prior to registration. Students who have not been enrolled in classes at MSU for one semester (Spring or Fall) or more should also register early to ensure timely readmission to the university and enrollment in classes. **New students** enrolling in courses offered by MSU, LSU, and TAMU will have to pay an application fee of \$30, \$25, and \$50, respectively.

### Withdrawals and Refunds

Requests to withdraw from a course must be submitted in writing to the Director, Graduate Institute. Refunds, if applicable, will be by the university according to their policy.

### Textbooks

Books can be purchased through the colleges' bookstore or any retail source. A list of books and sources will be provided at registration.

## Texas A&M University

### Ocean Engineering

**OCEN 685. Problems.** (1-6). Research for thesis or dissertation.

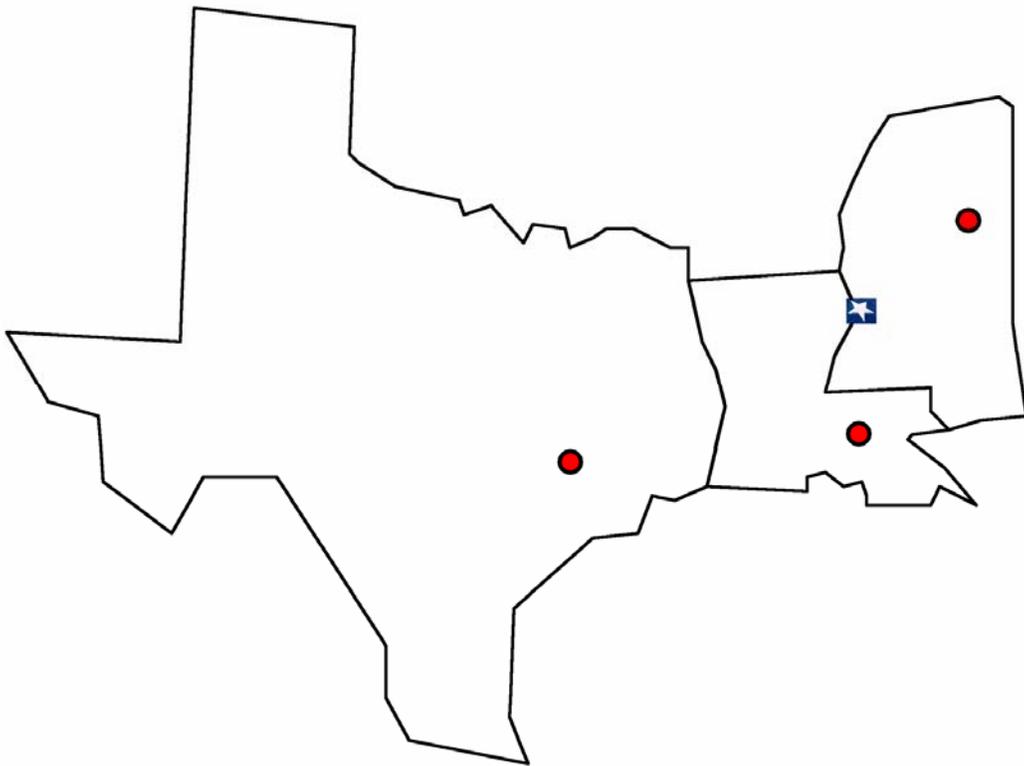
**OCEN 691. Research.** (1-6). Research for thesis or dissertation.





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