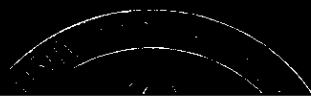
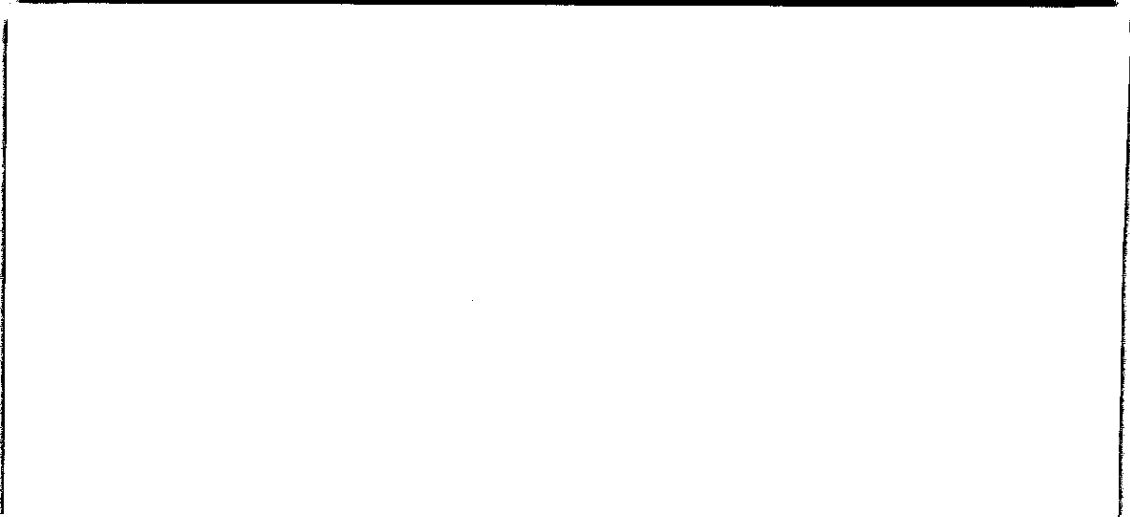


LAMAR UNIVERSITY • BEAUMONT

graduate catalog

1991-92





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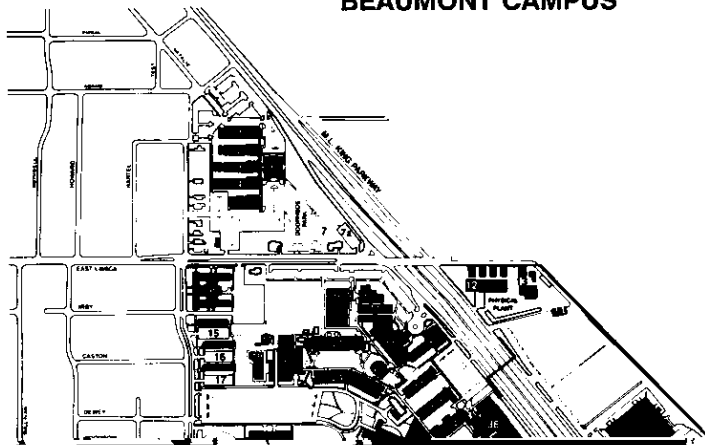
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LAMAR UNIVERSITY SYSTEM

BEAUMONT CAMPUS



LEGEND TO MAP OF LAMAR UNIVERSITY • BEAUMONT

Administration (Plummer Bldg.)	54	Residences:	
Alumni House	49	Unit I	17
.....	55	Unit II	40

Art Building	11	Unit III	15
--------------------	----	----------------	----

Biology (Hayes Bldg.)	21	University Drive Apartments	81
.....	22	(Men's residence halls)	

Business (Galloway Bldg.)	36	Combs	62
Campus Planning	12	Morris	63
Cardinal Park	74	Plummer	73
Cardinal Stadium	55	Shivers	84
Chancellor's Home	76	Stadium Hall	72
Chemistry Bldg.	24	(Women's residence halls)	
Communication Bldg.	22	Brooks	84
.....	22	80

Fall Semester - 1991

August 1991

Residence halls open at 4:00 p.m.

AUGUST

S M T W T F S

AUGUST 1991

January 1992

10 Orientation Day

JANUARY
S M T W T F S

13 Registration begins

19 20 21 22 23 24 25

14 Registration

26 27 28 29 30 31

15 Classes begin

Schedule revisions, late registration

16 Last day for schedule revisions and/or late registration

20 Martin Luther King, Jr., birthday--no classes

21 Applications for May 1992 graduation begin

31 Twelfth Class Day

FEBRUARY
S M T W T F S
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22

February

... ..

May

31 Residence halls open at 1:00 p.m.
Dining halls open at 4:30 p.m.

June

1 Registration
2

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Table of Contents

College of Graduate Studies Information	25
Degrees Offered	25



Location

The central campus of Lamar University, a state-supported institution, is located in

10 - Lamar University Graduates

Accreditation and Approval

Lamar University-Beaumont is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, International District.

1985

For more information, contact the Registrar's Office at (409) 835-1234.

1. The Customs (Computer Center)

1. The Customs (Computer Center) is responsible for providing the com-

In order to assist students in making decisions concerning choices of majors and careers, the Assessment Center maintains two computerized career information systems:

Loan Funds and Scholarships

The table content is almost entirely obscured by heavy black redaction bars. Only a few faint lines and small fragments of text are visible, particularly in the lower half of the page.

Payment of Fees

Lamar University reserves the right to change fees in keeping with acts of the Texas

Under the authority of the University Board of Regents

and this contract is void until all fees have been paid in full on the installment plan.

When payment has been paid and the installment agreement has been signed. Payment

From student who is classified as a resident student but who becomes a nonresident

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Late Registration Fee

Each student who fails to register on the first day of classes is assessed a late registration fee of \$5 for the first day, \$10 for the second day and \$15 for the third and subsequent days.

Parking Fee

Each student who pays the necessary fee is issued a card that permits parking on the campus. This card is numbered and is to be displayed as instructed in official parking

and traffic regulations, which are issued when automobiles are registered. Strict observance of traffic and parking regulations is necessary for the safe and orderly operation of the campus.

Matriculation Fee

A matriculation fee of \$45 will be assessed for students who withdraw prior to the



week of a summer term) or if the student is passing at the time of withdrawal after the sixth week a grade of "W" is earned for that course.

A student who withdraws from a course after the sixth week of a summer term will receive a grade of "W" for that course.

A student has the right to challenge records and information directly related to him

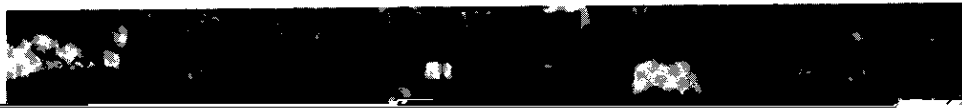
if the records are ~~untrue, misleading or otherwise inappropriate~~

1

Class Attendance

Regular class attendance is important to the success of the student.

of the University. Especially in lower division courses and in large classes at



College of Graduate Studies

History

The College of Graduate Studies was instituted in the Fall 1980 with the effect...

Master of Science in Home Economics
Master of Science in Mathematics
Master of Science in Psychology
Master of Science in Speech/Theater, Speech Pathology/Audiology, Public

Enrollment

Admission to a Degree Program

1. Applicants for admission to the Graduate College must submit the following ma-

insurance; those who plan to drive an automobile in the State of Texas must have liability insurance.

All application materials, essays, transcripts, etc. must be on file at Texas

4. Post Baccalaureate students who have successfully completed six or more hours

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

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[REDACTED]

_____ is authorized to drop a course or to withdraw from the University

3. A. Post baccalaureate students taking graduate course work are not subject to these regulations until they have been fully admitted to the College of Graduate Studies and to a degree program.
- B. Students with a grade point deficiency of six grade points or less may be

Master of Engineering

1. Meet all general degree requirements.
2. Complete 30 semester hours of graduate work or complete 30 hours of graduate

Master of Engineering Science

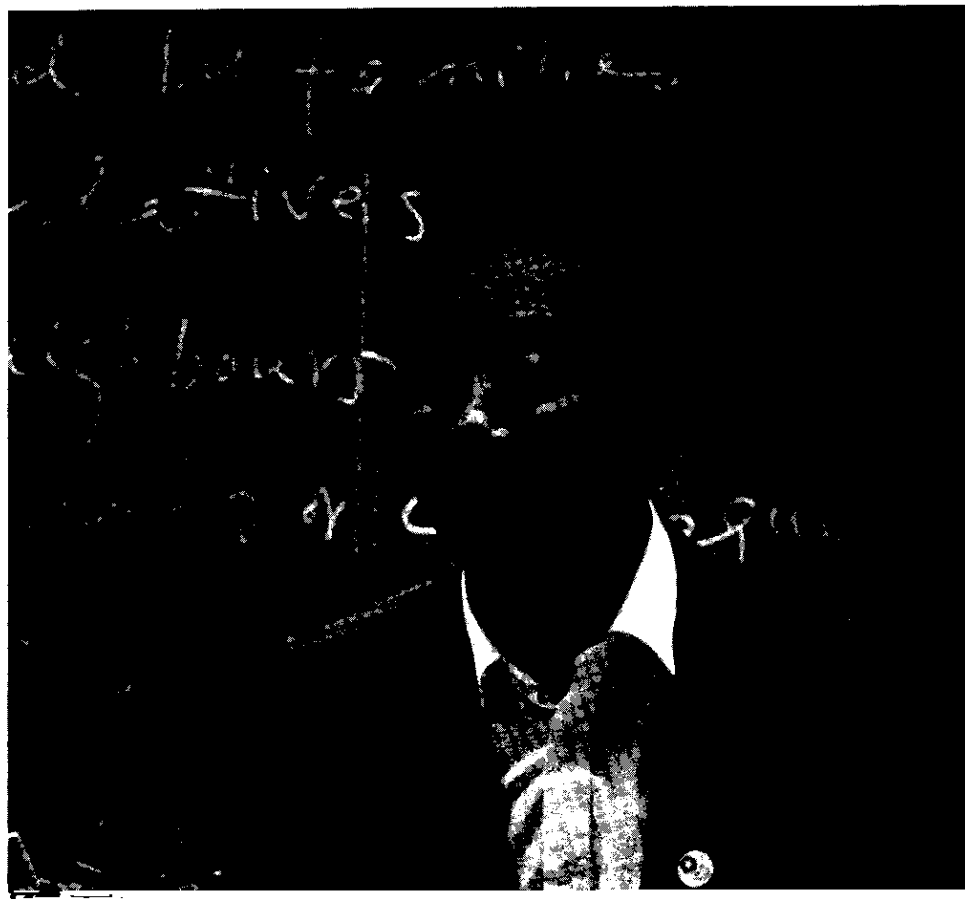
2. The student shall complete a residency of one year.
3. Satisfactorily pass candidacy examinations as required by the student's department

committee.

4. innovation.
5. Submit and defend a formal engineering report on the field study.

as established by the student's doctoral committee may be required to withdraw from

Advisory Committees



College of Arts and Sciences

College of Arts and Sciences offers programs of study in the following areas:

Graduate Faculty

Associate Professor David L. Bechler
Animal behavior, ichthyology
Assistant Professor Thomas S. Blanks

Professor Richard C. Harrel
Limnology, ecology, invertebrate
zoology

669A-669B Thesis

6:A:0

~~Requires approval of graduate advisor~~

From the list below, a maximum of 16 semester hours of 400 level courses with augmented requirements may be taken for graduate credit, subject to approval by the graduate advisor and department chair. A College of Arts and Sciences Graduate Credit

form must be submitted for each 400 level course taken.

4302 Cellular Physiology

3:3:0

Basic processes in physiology: metabolism, transport, energetics, molecular and cellular mechanisms. (200)



Department of Chemistry offers a program of study leading to the Master of

of literature through courses organized by genre, period and individual author. the stu-

535 **Special Topics in Renaissance and Seventeenth Century English Literature** 3:3:0
 of six semester hours credit when the topic varies.
Prerequisite: Graduate standing.

536 **Special Topics in Restoration and Eighteenth Century English Literature** 3:3:0

Department of Geology

The Department of Geology offers the following graduate courses to be used primarily as a substitute for other advanced geology courses.

Graduate Faculty

Assistant Professor James M. [redacted]

Professor Adrian N. Anderson
U.S. History

Professor Paul E. Isaac
United States history recent the West

437 The Old South

3:3:0

4315 Reconstruction and Industrialization: The United States from 1865 to 1898

3:3:0

4316 World Power and Reform: The United States from 1898 to 1920

3:3:0

4317 Mass Media and World Leadership: The United States from 1920 to 1945

3:3:0

The following courses may be taken for graduate credit with augmented requirements

subject to approval by the student's graduate advisor

431 Classical Mechanics

3:3:0

motion; small oscillations.
Prerequisite: Differential Equations and Phy 343.

432 Introductory Quantum Mechanics

3:3:0

of quantum mechanics. Schrodinger's equation; wave functions

Graduate Faculty

Associate Professor David S. Castle

Professor Ronald Stidham

Professor Bruce R. Drury

Professor Glenn H. Utter

5358 Internship

3:A:0

Lamar University-Graduate



College of Business

College of Business Administration, University of Texas at Dallas

Note:

1. Please see course descriptions for prerequisites for each course.
2. Students with previously approved academic training may have some or all of the

enrollment.)

Graduate Faculty

U

Economics

Associate Professor Cynthia Brown

Management

Professor Charles Hardin

Office Administration

Personnel

530 **Monetary and Capital Markets**

3:3:0

financial markets, market structures of interest rates; and flow of funds analysis.
Prerequisite: Graduate standing, Eco 530.

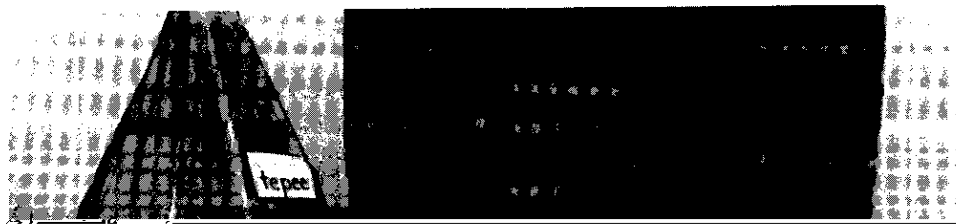
531 **Seminar in Monetary and Fiscal Policy**

3:3:0

Prerequisite: Graduate standing, Eco 530. Topics include the public sector budget and the supply of money as instruments

Origin, composition and application of international law to the multinational business environment. Topics include

Foreign Corrupt Practices Act, Import-Export Laws and the rights and responsibilities existing between foreign



[REDACTED]

of the Wimberly Building or call (409) 880-8350.
B. Successsfully complete the Graduate Record Examination and have scores sent

77710.

[Redacted]

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[Redacted]

On 10/10/10, 10:10 AM, [Redacted] wrote:

[Redacted]

5321 Test Administration and Interpretation

3:3:0

Theoretical and practical study emphasizing the administration, scoring and basic interpretation and practice in

Binet or other subsequently developed individual intelligence scales.

Prerequisites: EDLD 5334

3:3:0

5326 Communications and Public Relations

3:3:0

Developing personal and mass media communication skills with emphasis on improving school-community rela-

tions through effective communication.

Prerequisites: EDDL 5311, EDDL 5339 and admission to the program.

5339 Organizational Behavior

Study of the organization and administration of educational institutions.

Such services as attendance, food service, maintenance, and textbooks will be examined in detail.

Prerequisites: EDDL 5311, EDDL 5339 and admission to the program.

5339 Organizational Behavior

3:3:0

Study of school as an organization and how individuals behave in organizations. Students will assess and compare

their own personal competencies to the administrative needs of selected school

5388/5688 Selected Instructional Topics

... .. completed 19 semester

ods and materials courses.

... .. completed a minimum of

4. Electives: 12 semester hours (six semester hours if student has completed)

theater from area of interest. (11-1)

2. Readings: 1. The

Readings: 1. The

mum of 12 hours must be taken at the 500 level for the 18-hour specialization. If the student elects to write a thesis or chooses the route leading to the Professional

To meet individual needs, some flexibility is allowed in planning the student's pro-

Ped 5367: Psychoeducational Evaluation of Exceptional Children

Ped 5366 Modifications of Curriculum and Instruction for the Atypical Learner

to be approved by the chairperson of the department

**Special Education
Generic**

Students may obtain the provisional certificate in the above listed areas. A combi



524 Physical Science: Growth and Development

A study of development and nature of the human personality. Research report.

(5)

experiments.

536 Problems in Teaching Science and Social Studies in the Elementary School

3:3:0

A study of current developments, recent trends and innovative methods of teaching science and social studies in the elementary school, with emphasis upon individual teaching problems and research.

537 The Public School System

5351	Advanced Study in Early Childhood Curriculum	3:3:0
	A comprehensive study of the organization, methods and materials used for instruction in Kindergarten and other programs for young children.	
5352	Creative Activities in Early Childhood Education	3:3:0

with demonstration of art and music processes.

3:3:0

5378 Instructional Supervision of Student Teachers

3:3:0

Designed to facilitate instructional management skills directly or indirectly work with supervisee student teachers to

5698 Practicum in Special Education

4.00 *Supervised experience in Special Education. Prerequisite: permission to enroll in concurrent semester.*



[REDACTED]

§ 87(2)(b) Independent Study

3:A:0

[REDACTED]

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[REDACTED]

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topic varies.

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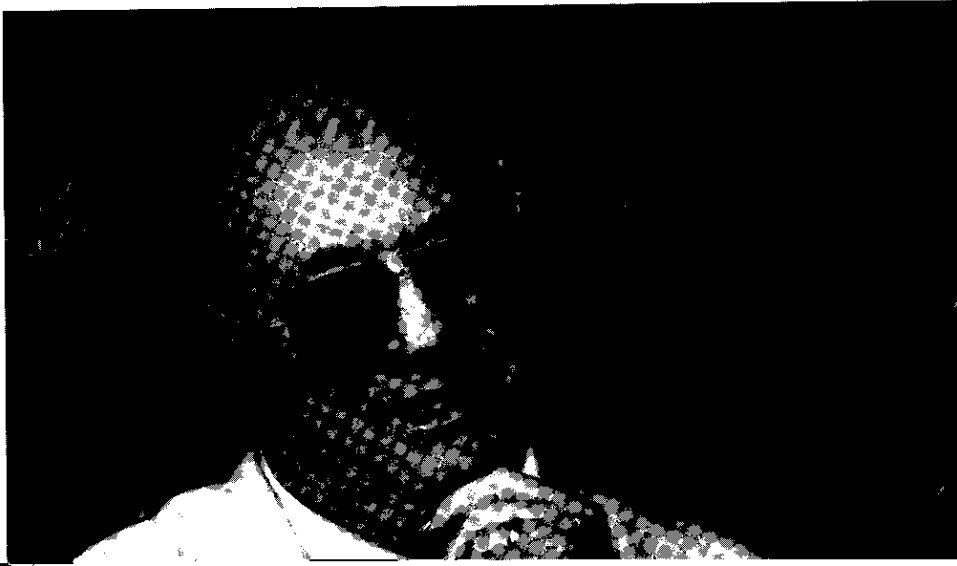
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530 Research Methods in Home Economics

3:3:0

Quantitative and qualitative research methods for home economics subject matter areas

Journal of Applied Social Psychology, 1977, 7, 104-110



Graduate degree programs are offered as follows:
Master of Engineering Management (M.E.M.)

Master of Engineering Science (M.E.S.)
Master of Engineering (M.E.)

Doctor of Engineering (D.E.)
Master of Science in Computer Science (M.S.)

Master of Science in Environmental Engineering (M.S.E.)

III Construction Project Management (CP)

Technical Discipline

Technical Management

Egr 5390 Project Management Systems
Elements of Construction

Same as Option I
Business Administration

Egr 5318 Cost and Utilization
Egr 5308 Engineering

IV Construction Project Management (CP)

Master of Engineering Science (M.E.S.)

Doctor of Engineering (D.E.)

substantially equivalent to that required for bachelor's degree at Lamar U.

2. These are minimum admission requirements and may be more selective.

2. Hold a bachelor's degree in a field of engineering which is equivalent to a bach-

[REDACTED]

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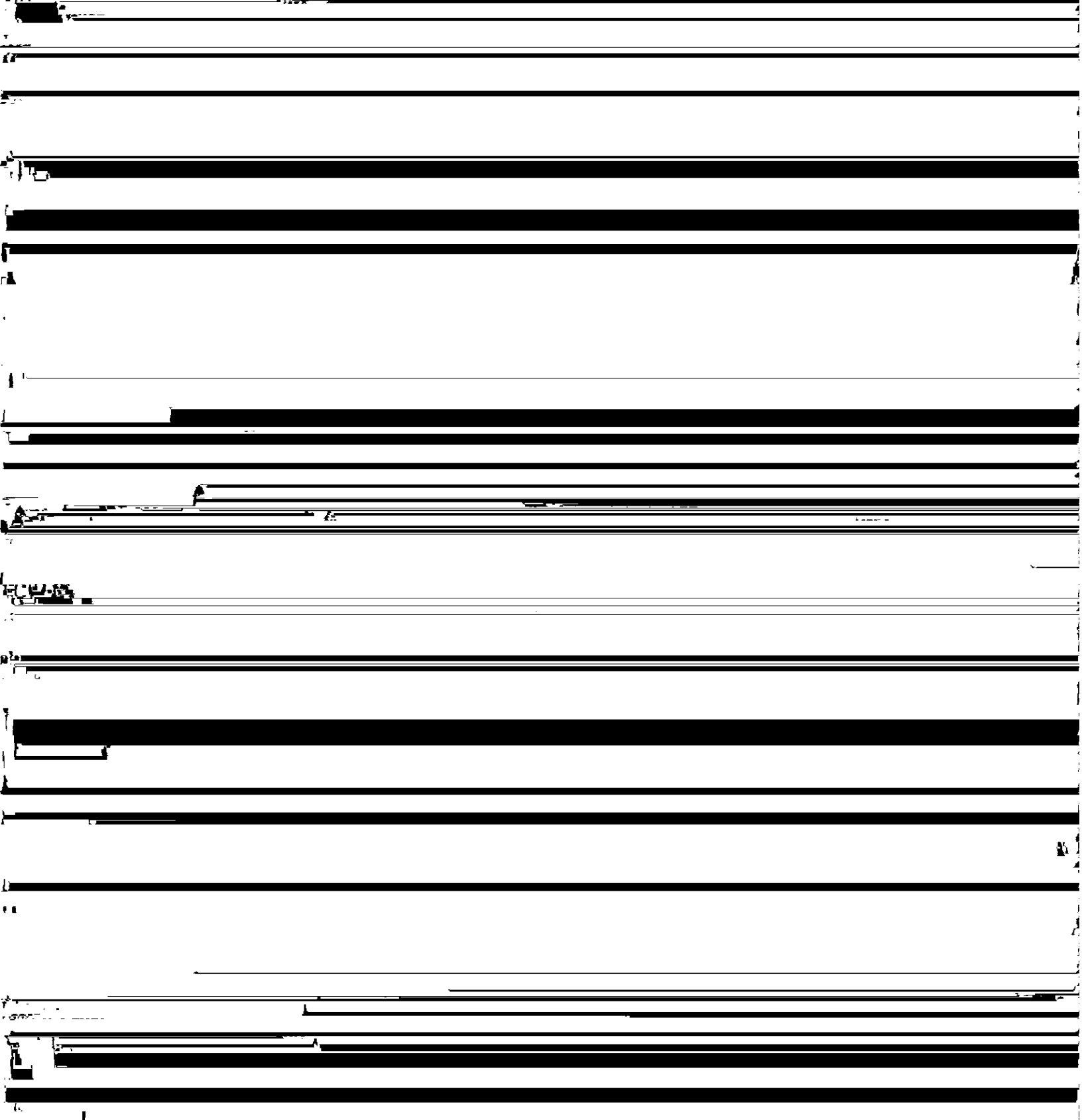
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WORLD OF ENGINEERING



Professor Jack R. Hodder

Professor Harry T. Mei

538 Discrete Control Systems

3:3:0

Principles of digital and sampled-data control systems. Analysis of response, and stability. Analytical compensation by transfer and other methods. Extensive use of computers.

Prerequisite: EGR 5306.

539 CAD/CAG

3:3:0

Computer-aided design and manufacturing.

5319 Design Experiments

3:3:0

Experimental design and analysis of experiments are developed as tools of the manufacturing and process industries. Exploratory and evolutionary EVOP designs, analysis of variance, ANOVA, error and experimental design.

some detail.

Prerequisite: Course in statistics or equivalent.

5320 Fundamentals of Air Pollution

3:3:0

Point and nonpoint source emissions and transport. Air pollution control methods. Pollution abatement.

5337 Incineration

3:3:0

5338 Solid Waste Management

3:3:0

5380 Structural Timber Design

3:3:0

Prerequisite: CE 334

5381 Structural Masonry Design

The design of load-bearing masonry. Specifications for reinforced masonry construction. Building code requirements. May be repeated for credit when the subject is offered in alternate semesters.

6343 **Reactor Design II** 3:3:0
Emphasis is placed on complex reactor design. Attention is devoted to chemical kinetics and catalysis as well as to the engineering aspects of both homogeneous and heterogeneous reactors. Mixing problems are discussed in detail. The importance of temperature effects is stressed.

Prerequisite: Egr 5345 or equivalent.

6348 **CAD Applications** 3:3:0
This course provides students with the practical applications of CAD software packages.

Discussion of ethical, professional and technical issues related to the use of GIS technology.

oral and written reports.
prerequisite: Senior standing.

420 Photogrammetry and Mapping 2:0:6
Principles of aerial photography applied to map making, route locations and ground control. Introduction to use of photogrammetry equipment, including stereoscopes and plotter.

3:3:0

BT

4303G Financial Analysis and Design

A comprehensive analysis of economic and financial aspects of investment decisions

- 433 **Linear Algebra II** 3:3:0
Vector-spaces, linear transformations, matrices, determinants, Eigenvalues, Eigenvectors, canonical forms, bilinear mappings and quadratic forms.
Prerequisite: Mth 149 and 233.
- 437 **Mathematical Theory of Probability** 3:0:0
random variables, expectation, sums of independent random variables, central limit theorem.

- 438 **Theory of Statistical Inference** 3:3:0

Department of Computer Science

The Department of Computer Science

Faculty of ...

Admission

Students seeking admission to ...

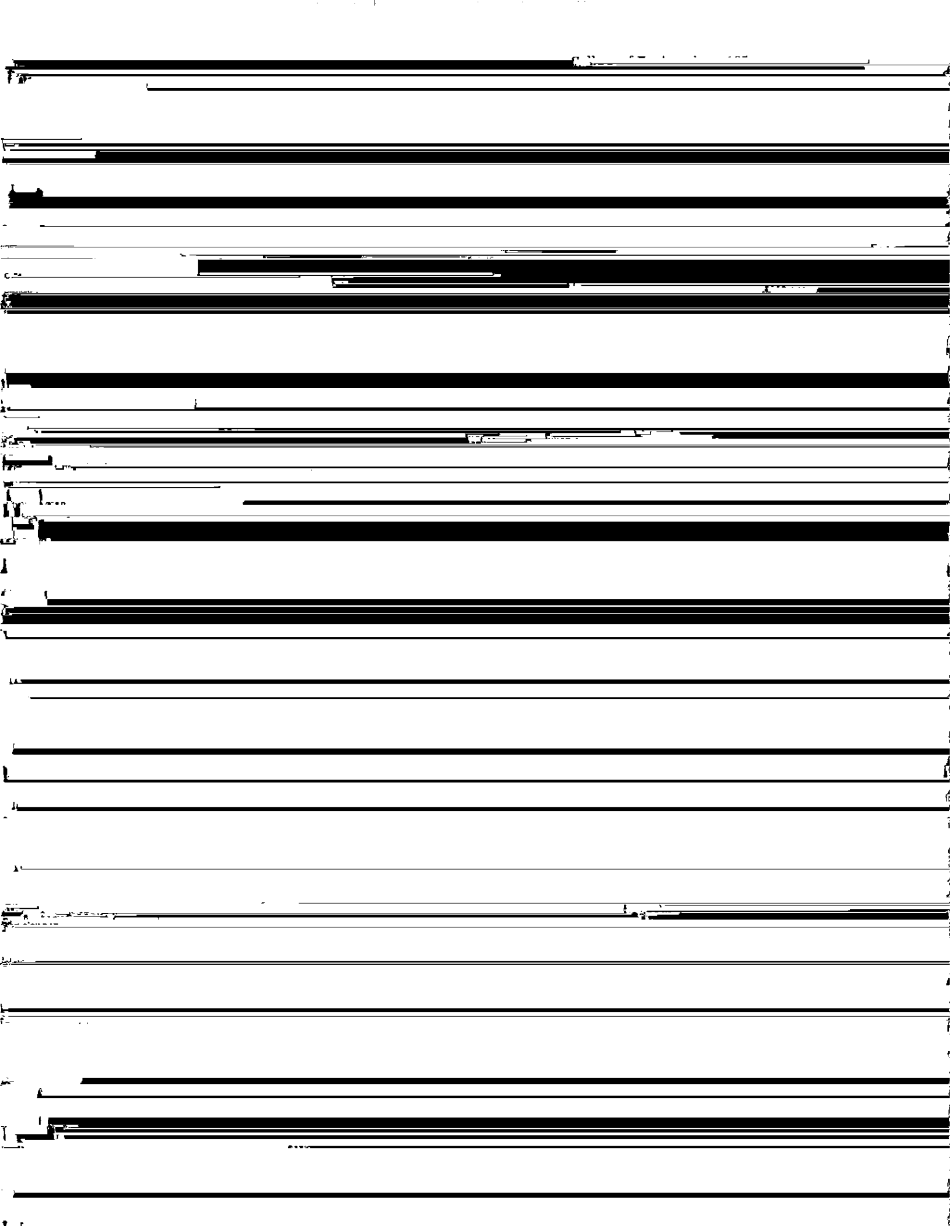
...

...

...and ... for additional 8 hours in graduate level Computer Science

Program development techniques with structured methodology, structured design, the testing of programs

development structured programming programming style program testing and debugging and other support text



Final approval as to what course work is acceptable toward admission to the graduate

535 Introduction to Advanced Analysis

3:3:0

REQUISITE

theorem, other topics as time permits.
Prerequisite: Graduate standing and Mathematics 431.

537 Methods of Applied Mathematics

3:3:0

Topics include: solution of boundary value problems, the Riemann Kernel function, method of the minimum

5332 Topics in Geometry

3:3:0

Topics include Differential Geometry, Algebraic Topology, Homotopy Theory, Non-Euclidean Geometry and Advanced Euclidean Geometry.
Prerequisites: Graduate standing and consent of instructor.

5333 Topics in Number Theory

3:3:0

Prerequisites: Graduate standing and consent of instructor.

Prerequisites: Graduate standing and consent of instructor.

5334 Seminar in Problem Solving

3:3:0

Prerequisites: Graduate standing and consent of instructor.



College of Fine Arts and Communication

The College of Fine Arts and Communication offers graduate programs of study lead-

Graduate Faculty

1

5385 Problems in Sculpture

3:3:0

Independent research and experimentation towards the development of a personal direction and statement in sculpture. May be repeated for credit.

credit.

[REDACTED]

graduate and undergraduate work. A thesis program is available with approval of the

[REDACTED]

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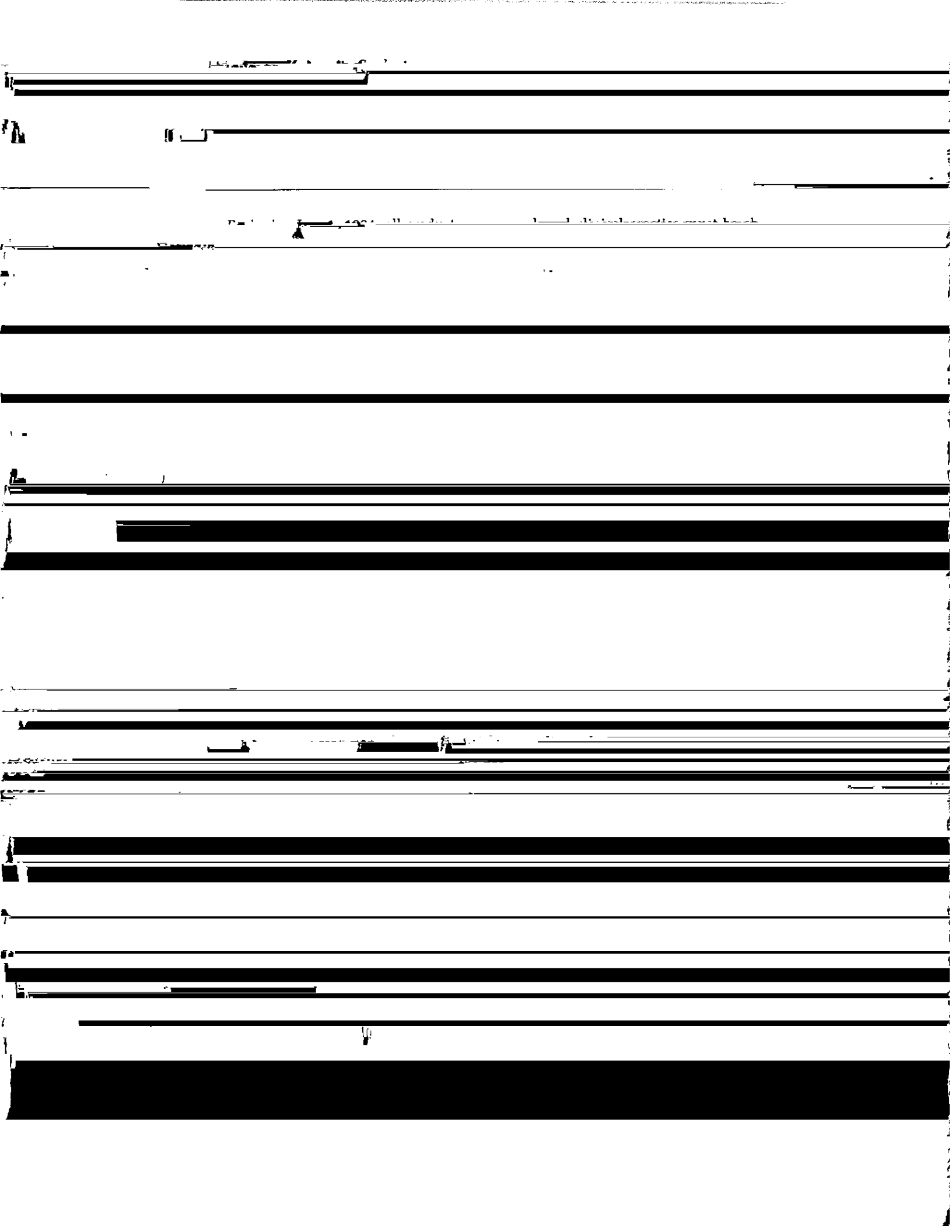
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531 **Advanced Public Relations** 3:3:0
Theory, research and contemporary problems in corporate or institutional communication relations.

5311 **Instructional Methods in Education of Deaf Children** 3:3:0

Sign language including American Sign Language (ASL) and International

5313 **Speech Development in the Hearing Impaired** 3:3:0

5316 **Language for the Deaf** 3:3:0

432 **Public Relations** 3:3:0
Theory, principles, and practice of public relations.

Prerequisites: Com 10, 100, 204 and 208 as co-requisites of/alternates

4326 **Cognition/Socialization and Deafness** 3:3:0
Cognitive, linguistic and social development of deaf individuals from infancy to adulthood.

433 **Organizational Communication** 3:3:0
Theory, principles, and practice of communication within organizations.

434 **Persuasion** 3:3:0
Theory, principles, and practice of persuasion techniques for individuals and groups. An analysis and application of persuasion techniques.

Department of Music

The Department of Music offers the following graduate degrees: the Master of Music

8. *Survey of the Romantic Era*, 1810-1840, 1840-1860, 1860-1880, 1880-1910, and 1910-1940

- the program.
3. Students may not enroll in the same course more than twice.
 4. Qualifying end-of-semester examinations may be repeated once if failure occurs. In

general, student representation of the committee must be at the

524 Special Topics in Psychology

3:3:0

Topics in developmental, physiological, social, differential, experimental, quantitative, cognitive or clinical psy-

chology. Includes coursework, library and/or laboratory work and conferences with a staff member. A description of the particular area of study will be indicated. A student may repeat the course for credit when the area of study varies.

Prerequisite: Consent of instructor

5310 Introduction to Psychological Assessment

3:3:0

An introduction to intellectual assessment. Includes principles of psychological testing, test statistics, and critical evaluation of a variety of intellectual and achievement measures. Practicum in administration, scoring, interpreta-

Prerequisite: Introductory psychological coursework for all Wechsler measures and the Stanford-Binet

The following information is for your information only.

439 Contemporary Problems in Psychology 3:3:0
A critical and comprehensive examination of current problems in selected areas of psychology. Prerequisites: PSY 200 and PSY 300.



Directory of Personnel 1991-92

Board of Regents

Ted Moss, Jr., Chairman

Amelia Cobb, Vice Chairman

E. Linn Draper *Beaumont*
Thomas M. Maes, II..... *Beaumont*
Douglas Matthews *Galveston*

Dr. J. C. [redacted] Associate Professor of English

Copyright Douglas 1998. Assistant Professor ...

B.S., University of Alabama at Birmingham; M.S., Ph.D., Louisiana State University

B.A., Hardin-Simmons University; M.I., University of Texas; Ph.D., East Texas State

Electrical Engineering

Journal of the Institution of Professional Engineers

Gonzales, Ramon 1988, Instructor of Deaf Education
B.S., M.S., Lamar University

Gowles, Eric M. 1975, Assistant Professor of Special Education and Deafness

Gunnarson, Adele D. 1987, Assistant Professor of Audiology

B.S., University of Texas; M.S., Ph.D., University of Texas, Dallas; A.S.H.A. Certification and

114 - Feb. 1960, Professor of Chemistry and Executive Vice President for Academic and

Student Affairs
B.A., University of St. Thomas; M.S., Ph.D., Texas A&M University

Isaac, Paul E. 1960, Regents' Professor of History

174 - Mrs. Judith M. 1977, Associate Professor of Art

Mantz, Peter A. 1983, Associate Professor of Civil Engineering

Chartered Engineer (U.K.)

Marriott, Richard G. 1976, Professor of Psychology and Chair, Department of Psychology
B.S., Weber State College; M.A., Ph.D., University of New Mexico

Martin, Gabriel A. 1989, Assistant Professor of Communication
B.S., M.S., Lamar University; Ed.D., University of Southern Mississippi

Matheson, Alan L. 1988, Associate Professor of Mathematics

B.S., University of Washington; Ph.D., University of Illinois

Mathis, Barbara Thomas 1990, Assistant Professor of Music

B.M., M.M., North Texas State University; Ph.D., University of North Texas

Price, Donald I. 1983. Associate Professor of Economics

Oklahoma

Price, Donald I. 1983. Associate Professor of Economics

Spencer, Monte J. 1972 Professor of Special Education

F-

B.A., University of Denver; M.A., Ed.D., Columbia University

Spencer, Lynn W. 1972 Professor of Business Administration

B.A., Stephen F. Austin State University; M.Th., Southern Methodist University; M.S., Lamar University; Ph.D., Texas A&M University

Stanley, William H. 1972 Professor of Educational Administration and Supervision

Ph.D. 1965. Professor of Electrical Engineering

Ph.D. 1965. Professor of Electrical Engineering

Watt, Joseph T., Jr. 1965. Professor of Electrical Engineering

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H

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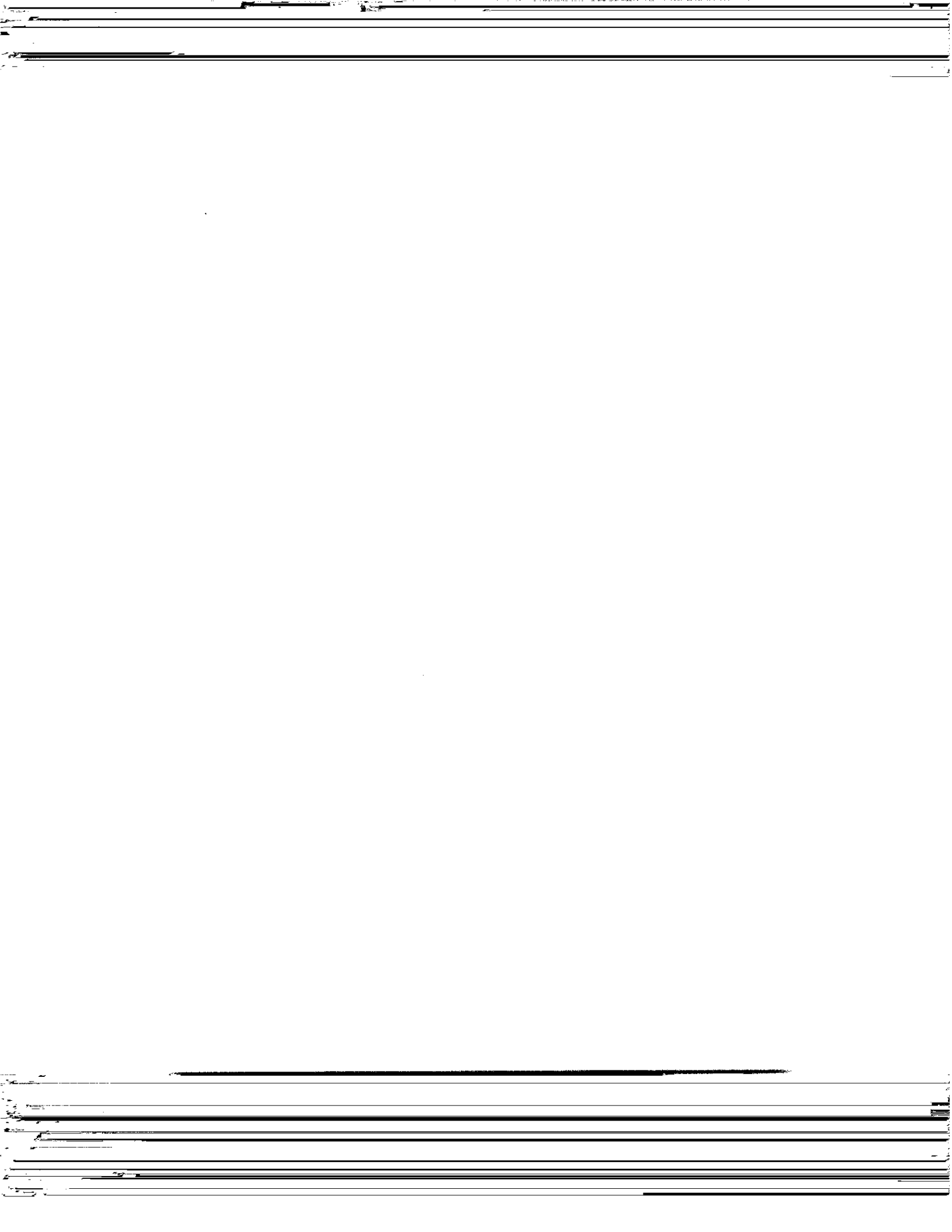
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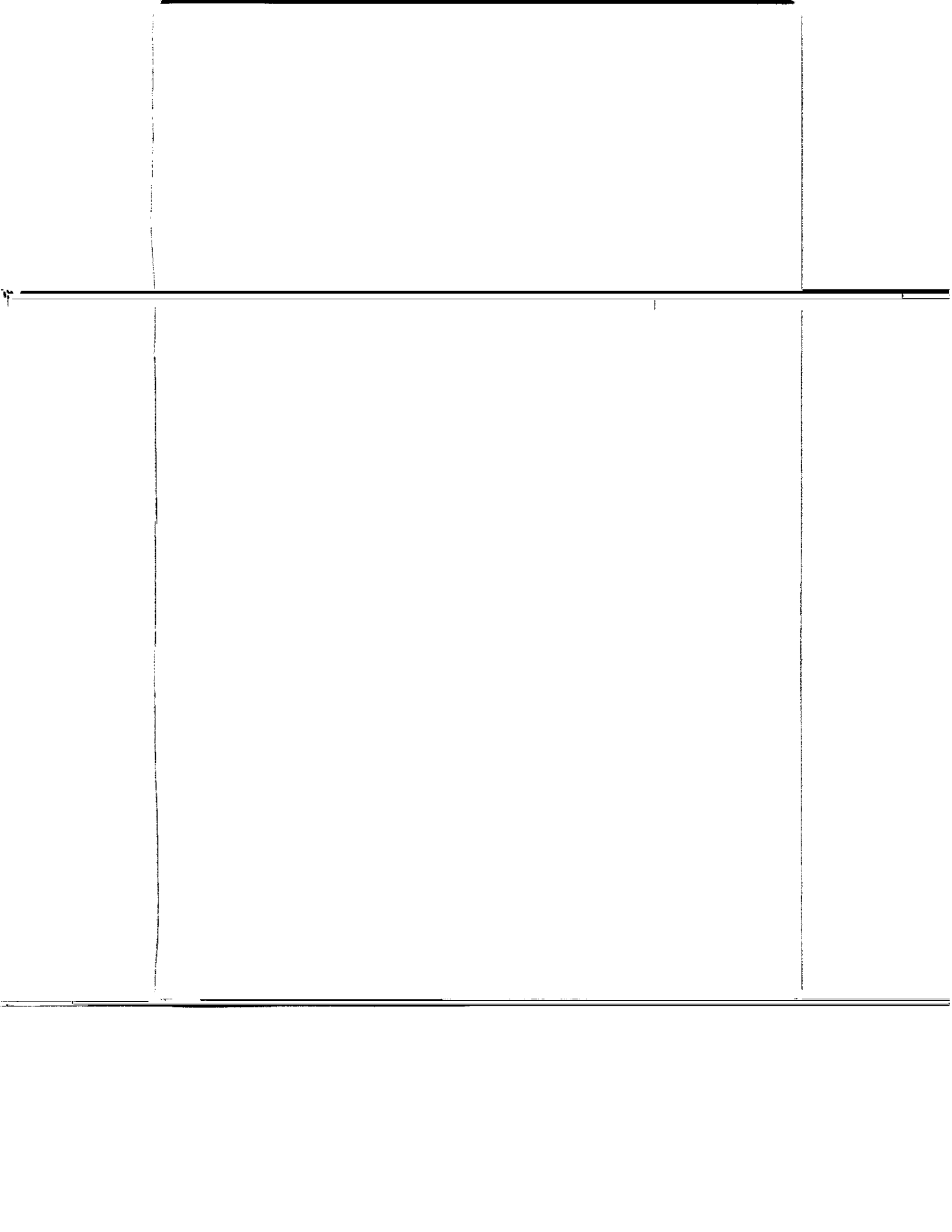
Upath Vinsinaw S. Danga...

70

Correspondence Directory

All correspondence should be directed to Lamar University Station, Beaumont, Texas 77710. Tele





Catalog of
LAMAR UNIVERSITY • BEAUMONT
Beaumont, Texas 77710

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