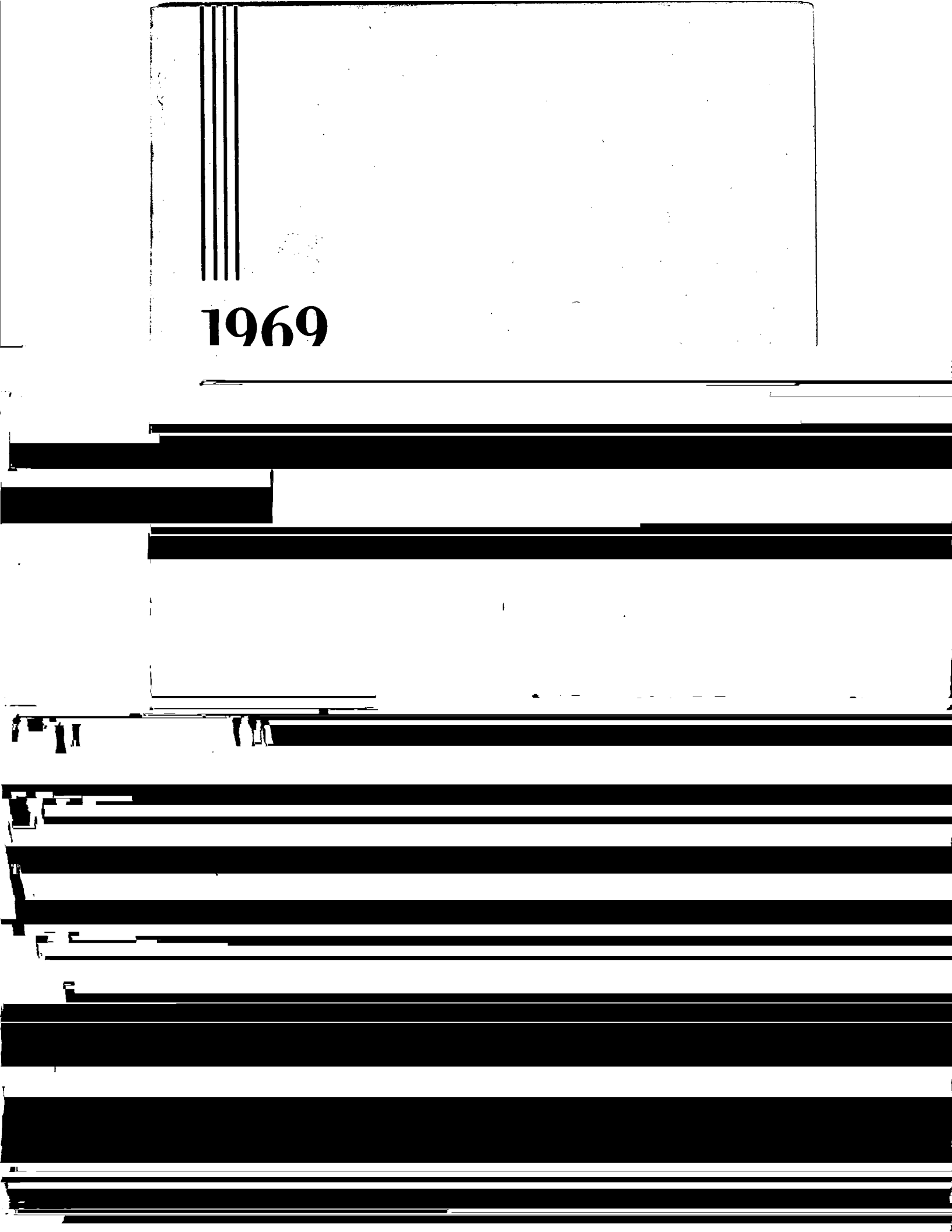
1969

Index

BULLETIN

of

LAMAR STATE COLLEGE OF TECHNOLOGY

LAMAR STATE COLLEGE OF TECHNOLOGY

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LAMAR STATE COLLEGE OF TECHNOLOGY

SUMMER SESSION

First Term

June	8	Sunday		Limited operations of dormitories.
	9	Monday	7 a. m.	Dining Hall opens.
			8 a. m.	Registration
			6 p. m.	Registration-evening classes.
	10	Tuesday	7 a. m.	Classes begin
				Late registration (penalty fee charged).
				Payment of fees is a part of registration

Directory for Correspondence

(All campus telephones may be reached through the central switchboard, Area Code 713, 838-6671. All correspondence should be directed to Lamar Tech Station, Beaumont, Texas, 77705.)

To obtain prompt attention, address inquiries to the following persons or agencies:

Academic Program.....Frank A. Thomas, Jr., Vice-President of Academic Affairs

Academic Records and Transcripts.....Celeste Kitchen, Registrar

Admissions and Testing.....Norris H. Kelton, Dean of Admissions

Athletics.....J. B. Higgins, Athletic Director

Books and Supplies.....O. J. Wilkerson, Manager, Bookstore

Business Affairs.....H. C. Galloway, Vice-President of Finance

Employment for Students.....Financial Aids Office

ORGANIZATION OF THE COLLEGE

by

Schools and Departments

SCHOOL OF LIBERAL ARTS

(Bible)
English
Government
History
Modern Languages
Psychology

SCHOOL OF ENGINEERING

Chemical
Civil
Electrical
Industrial
Mechanical
Mathematics

SCHOOL OF SCIENCES

GENERAL INFORMATION

Location

Lamar State College of Technology is a state-supported institution located in the center of industrial Southeast Texas at Beaumont. Principal industries in the area are oil refining, shipping, shipbuilding, rubber manufacturing, and chemical production. Surrounding the urban communities are ranches and rice farms.

The campus faces the Beaumont-Port Arthur Highway in southeastern Beaumont. With a population of approximately 130,000, Beaumont has modern schools, churches, and shopping districts to serve the thriving industrial community.

In the metropolitan Beaumont area are the cities of Port Arthur, Orange, Vidor, Port Neches, Nederland and Groves, all within 25 miles and forming the heart of the Gulf Coast area with an estimated population of more than 350,000.

History

South Park Junior College was established in 1923. The college was organized and controlled by the South Park Independent School District, and [illegible] were conducted in the South Park High School Building. Enroll[illegible]

Government

The [redacted] of the College is vested in a board of nine regents

ACADEMIC INFORMATION

Advantages of Summer Session

The summer session is an important part of the total education program offered by the College. Classes are taught by regular faculty members and all facilities normally used during the fall and spring semesters are available for summer school.

the summer session presents an opportunity to repair their academic record. Students that are suspended for one term from Lamar State College may attend

Health Data Requirement

All students entering day classes for the first time at Lamar State College must file a Health Data Form with the Dean of Admissions. This regulation

Admission of Transient Students For Summer Work Only

Students attending another college who wish to enroll for the summer session only at Lamar may be admitted as transient students. A student accepted under this classification is required to submit the regular Application for Admission Form only. Transient students who later apply for regular

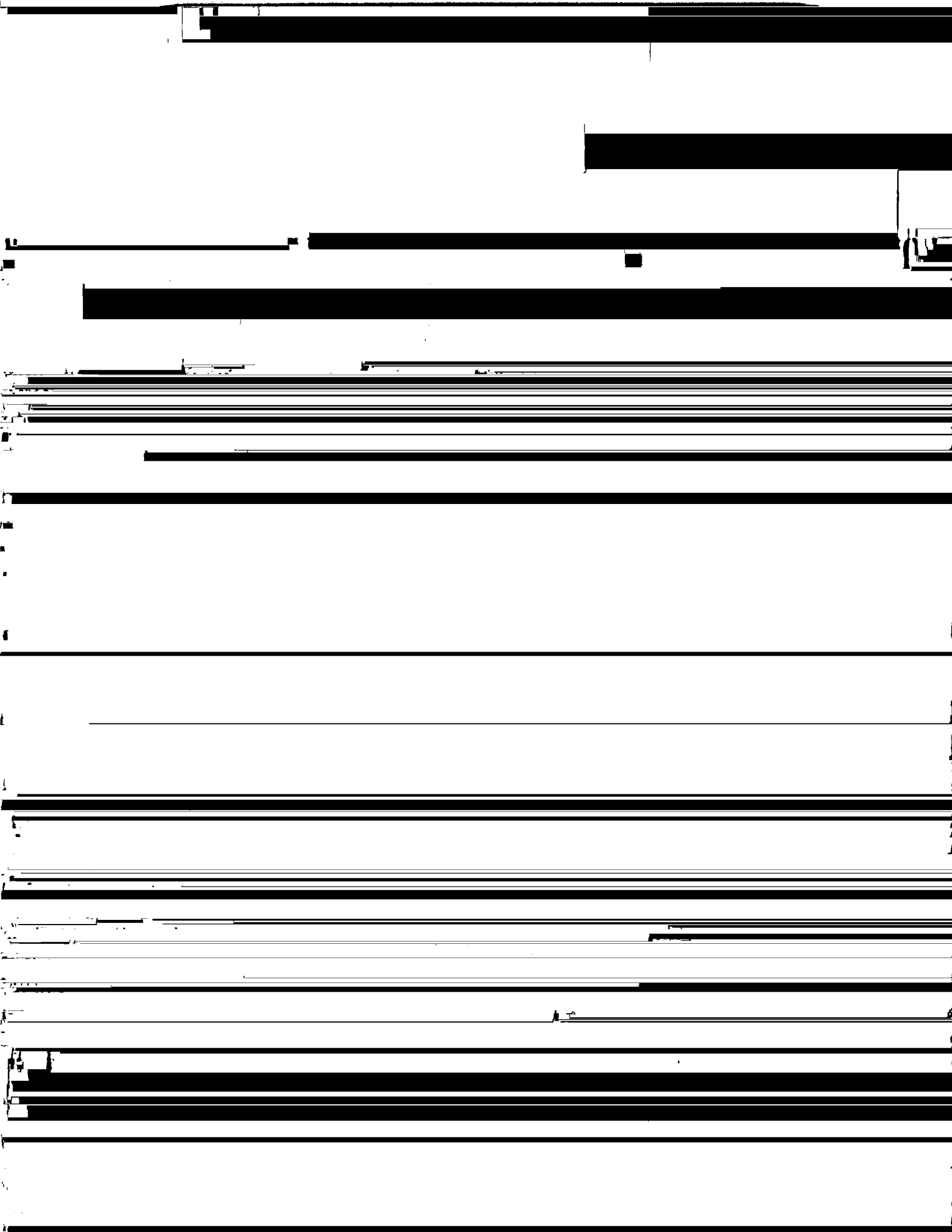
Student Load

No student will be permitted to register for more than eight semester hours in a given summer term or for more than fourteen semester hours for the

FACILITIES

Located on a campus of approximately 200 acres and valued in excess of $30, 000, 000, the Lamar plant includes many new and functional buildings of modern design. These structures include:

Administration Building, Administration Annex, Art Building, Biology Building, Bookstore, Business Building, two Chemistry Buildings, Dining Halls A and B, Education Building, Educational Services Center, three Engineering Buildings, Geology Building, Health Center, Home Economics Building, Theatre/Gallery, Liberal Arts Building, Library, McDonald Gymnasium, Music-Speech Building, Physics Building, Post Office Building, Science Lecture Auditorium, Student Center, five School of Vocations Buildings, and



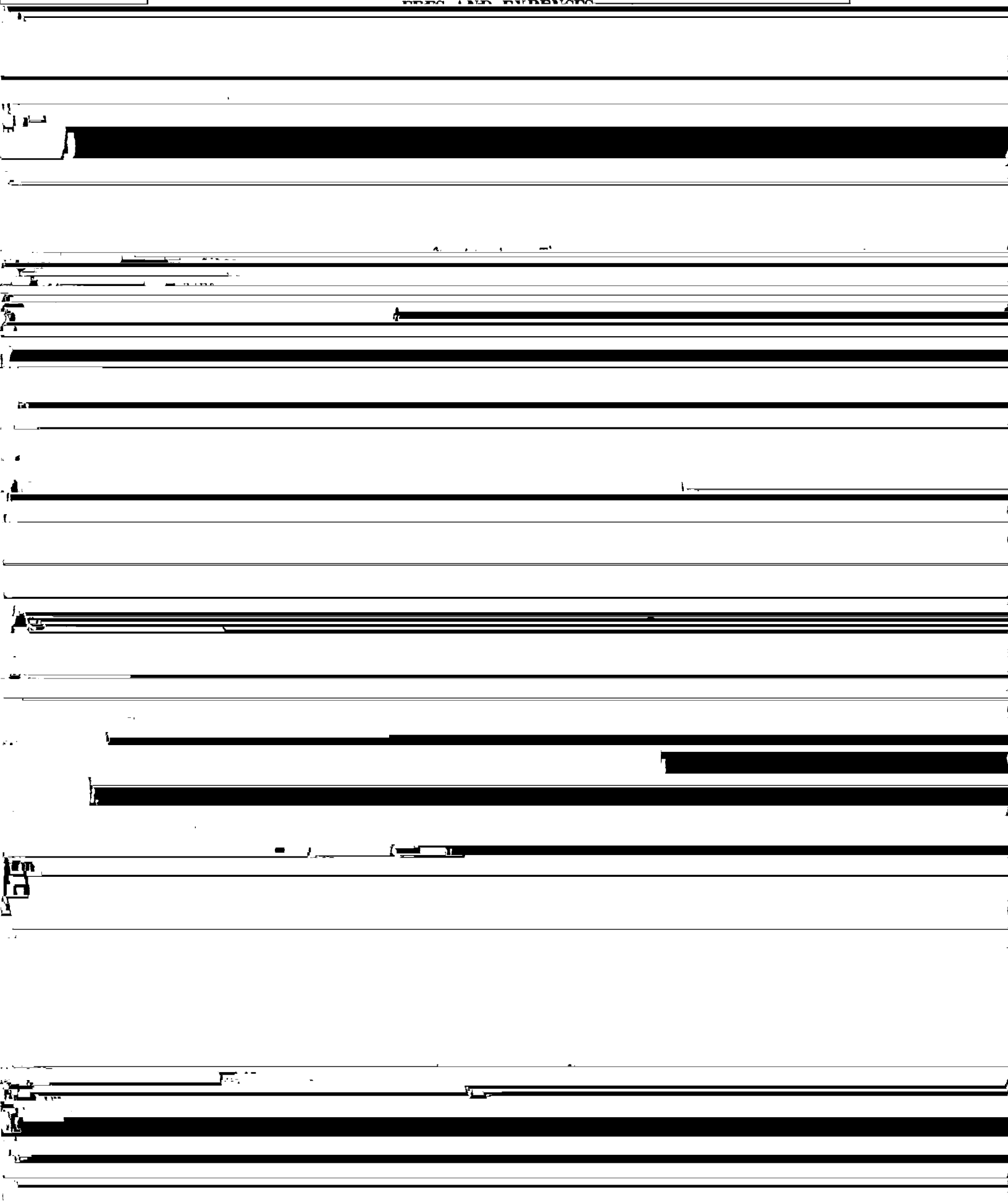
Instructional Buildings

Classroom buildings are of modern design and conveniently located a short distance from the dormitories and the dining hall. Classes other than

SERVICES

Advisors and Counselors

At or soon after registration each student is assigned a faculty advisor who



THE GRADUATE SCHOOL

The Graduate Council

The Graduate Program is administered by the Graduate Council. The membership of the Council consists of representatives from each department offering graduate degrees, with the Dean of the Graduate School acting as chairman. The Council determines the academic policies of the Graduate school.

Degrees Offered

Master of Arts

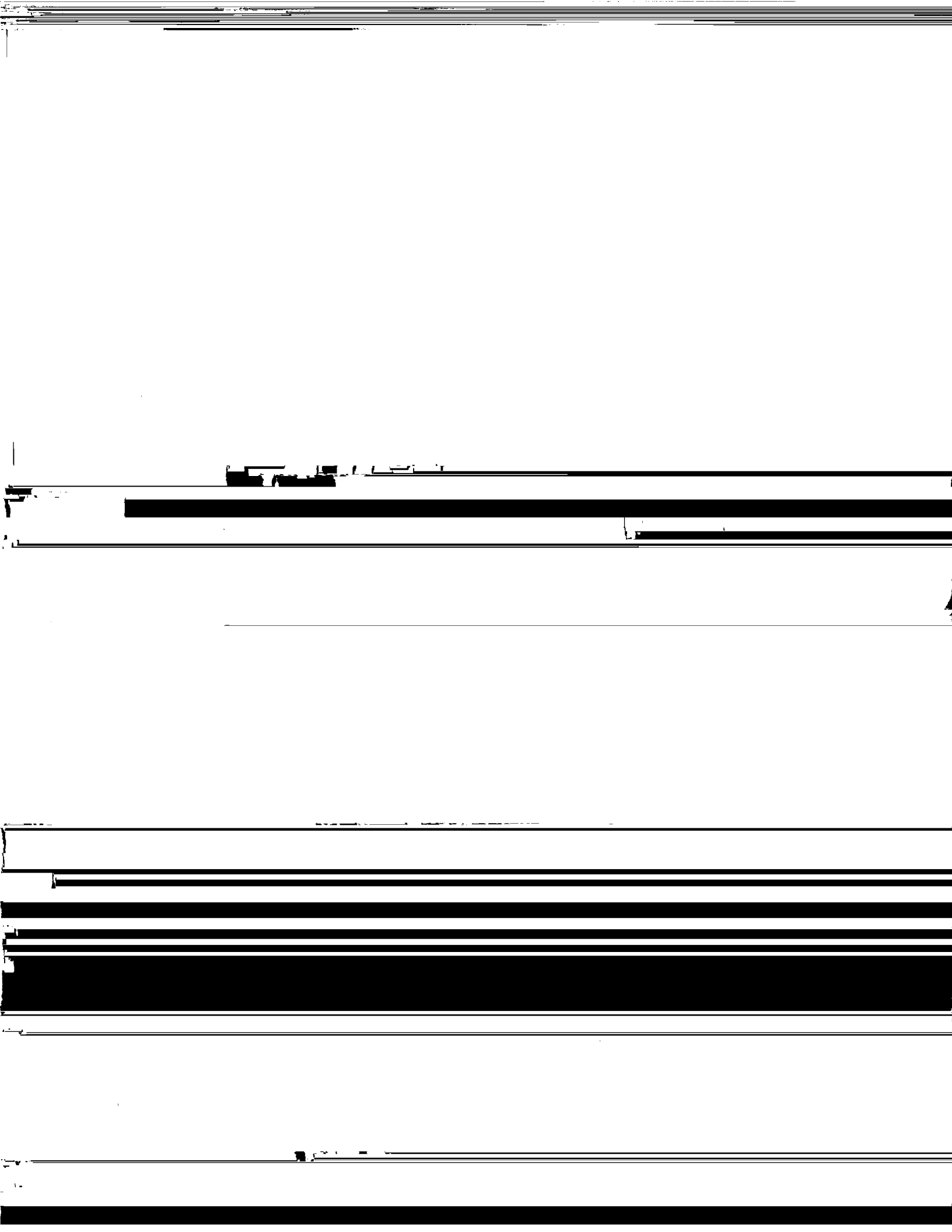
- Master of Arts in English
- Master of Arts in History
- Master of Arts in Government

Master of Business Administration

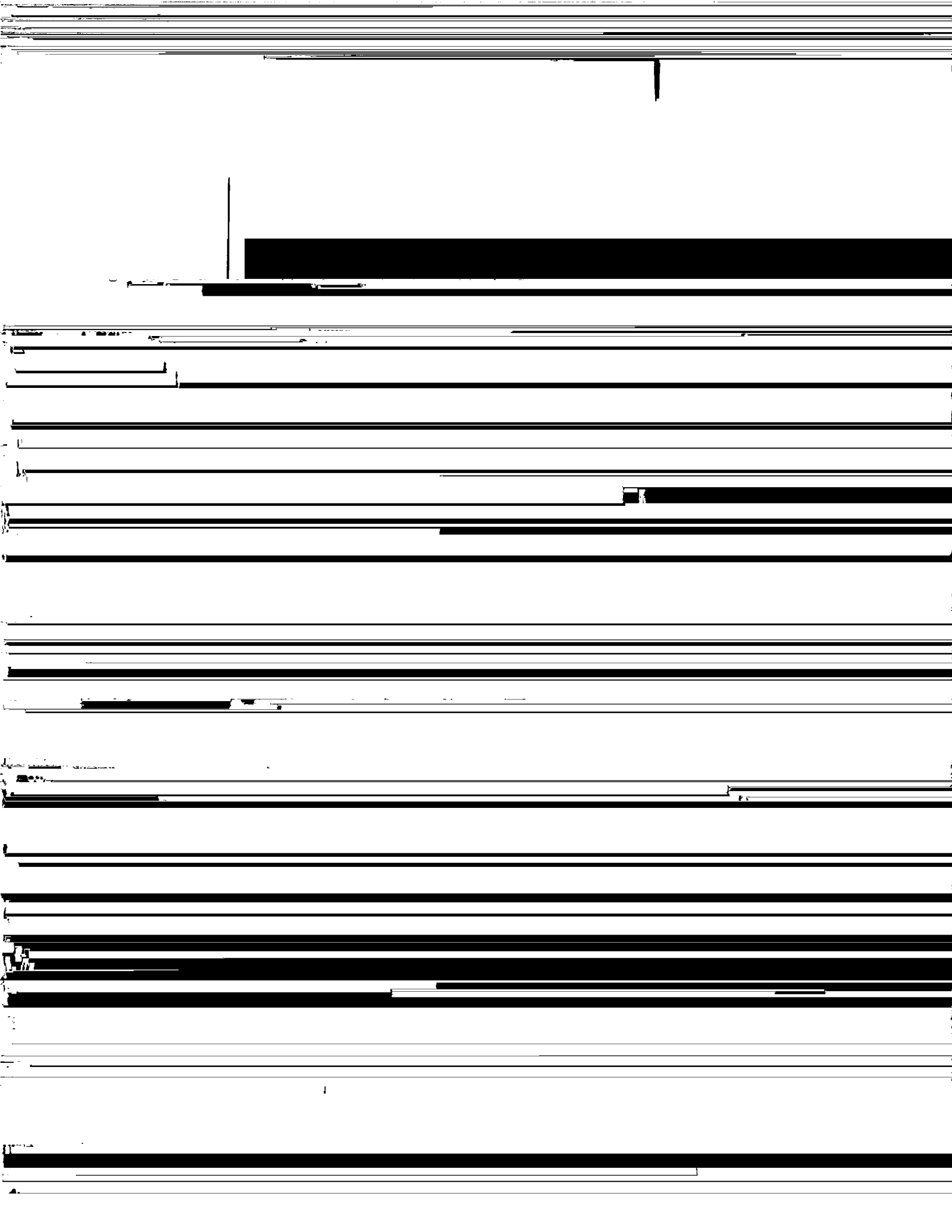
Master of Science

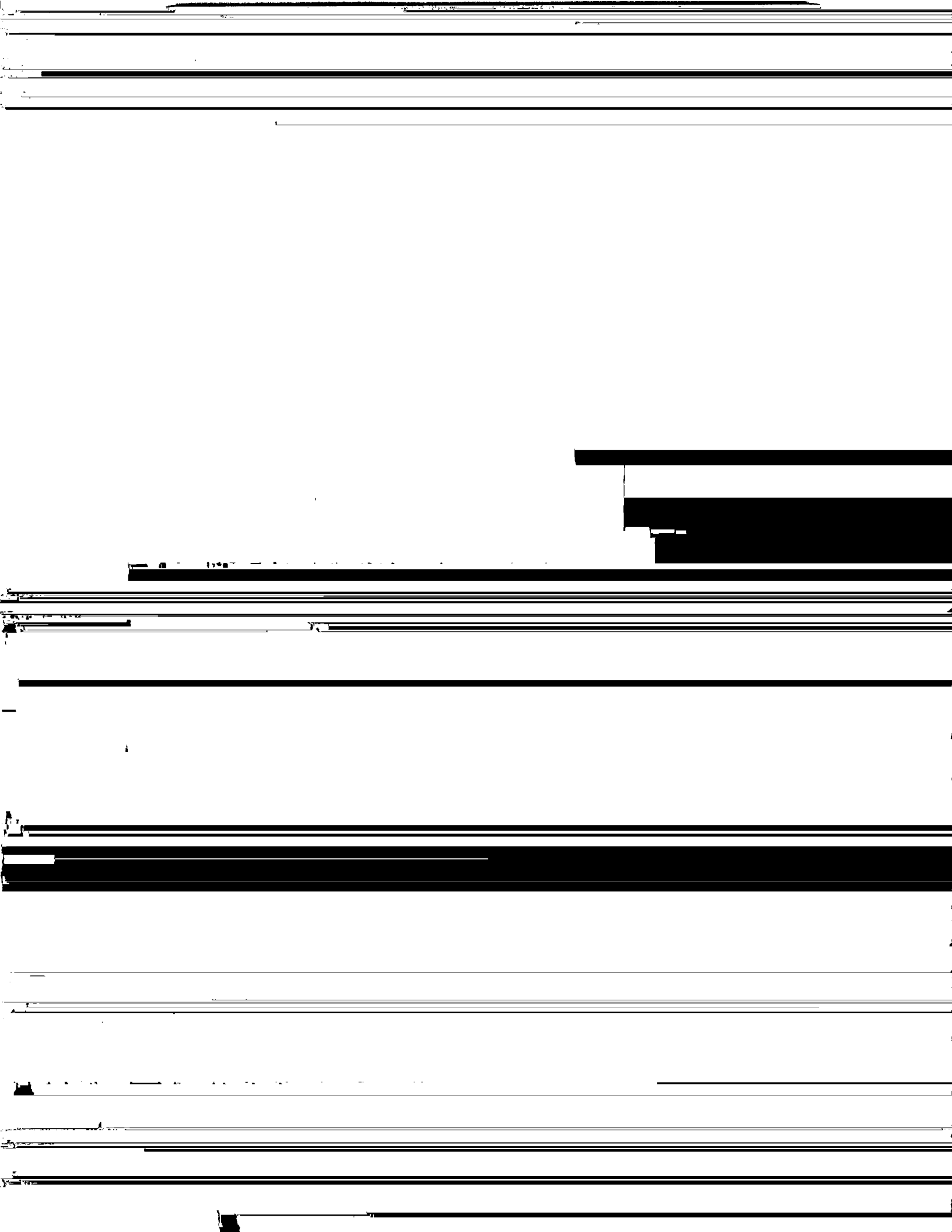
- Master of Science in Health and Physical Education
- Master of Science in Mathematics
- Master of Science in Chemistry
- Master of Science in Speech (Audiology and Pathology)

COURSE DESCRIPTIONS



local government; the federal and state judiciaries; civil liberties. Pre-





331—**The Field of Social Welfare.** Historical development and current

[redacted]

331—Business Law. Principles of law which form the legal framework for business activity. Applicable statutes; contracts; agency. Class: 3 hours. Credit: 3 semester hours.

332—Principles of Finance. A survey of the field of business finance. Financial planning; administration and control of financial activities; short-term and long-term financing; advantages and disadvantages of the various business organizations; security markets; commercial banking systems; Fed-

433—Advertising. Social and economic character of advertising. Production; administration; copy procedure; media; layout; budgets; organization; evaluation. Class: 3 hours. Credit: 3 semester hours.

435—Human Relations. Case-study approach to business problems in human relations. Recognition and analysis of problems; formulation and

437—Intermediate Theory. Economic analysis and methodology. Distribution; theory; price theory; imperfect competition and monopoly. Class: 3 hours. Credit: 3 semester hours.

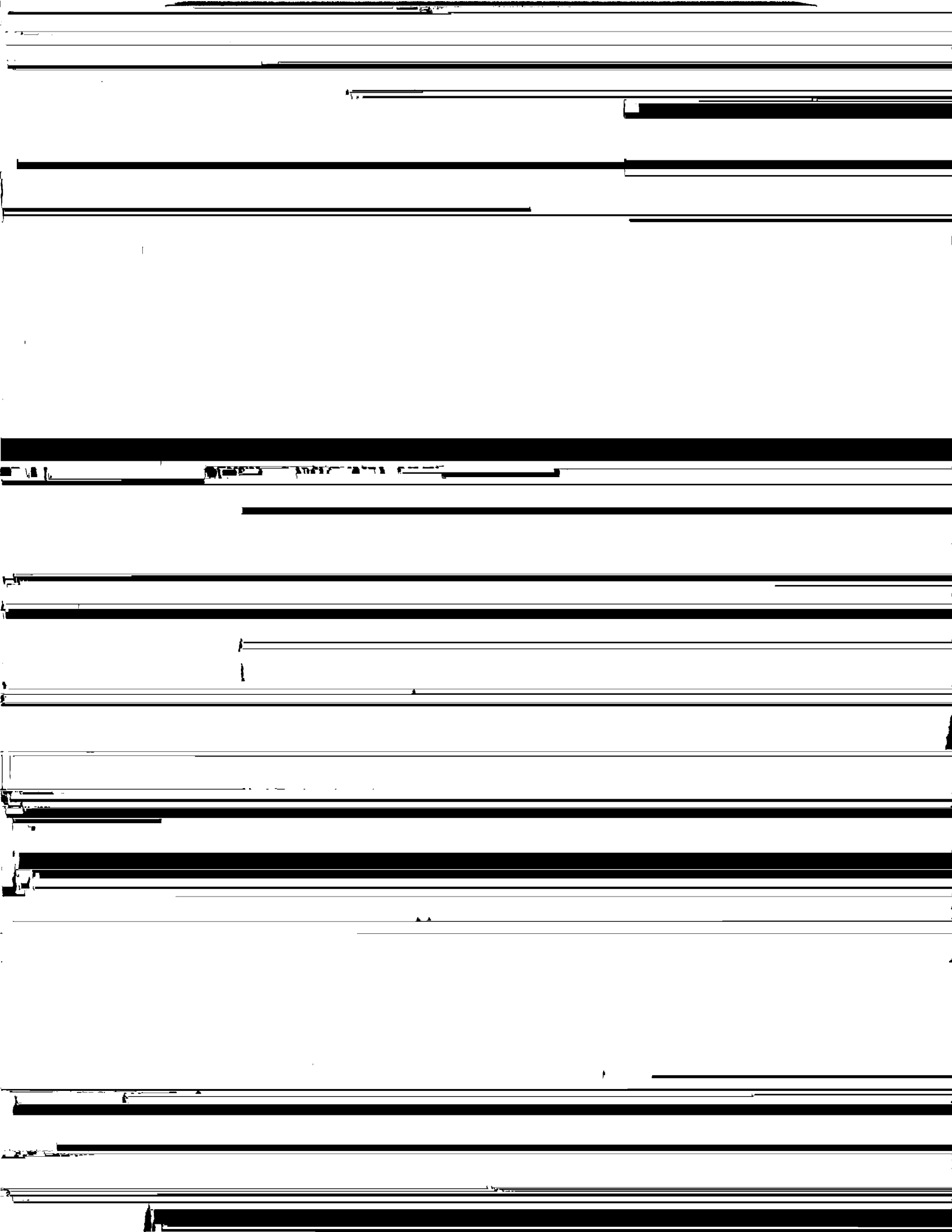
438—Macro Economics. A descriptive-analytical approach to the dynamic forces that influence the aggregate level of economic activity. Income and employment determinants; levels of income and employment; stabilization theory; investment and income relationship; monetary and fiscal policies. Class: 3 hours. Credit: 3 semester hours.

533—Contemporary Literature and Thought. Readings, special projects, studies, and research in the current professional literature. The student will become acquainted with learned journals, economists, their current thinking, present issues and emphases in the field. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF SECRETARIAL SCIENCE

Secretarial Science (SS)

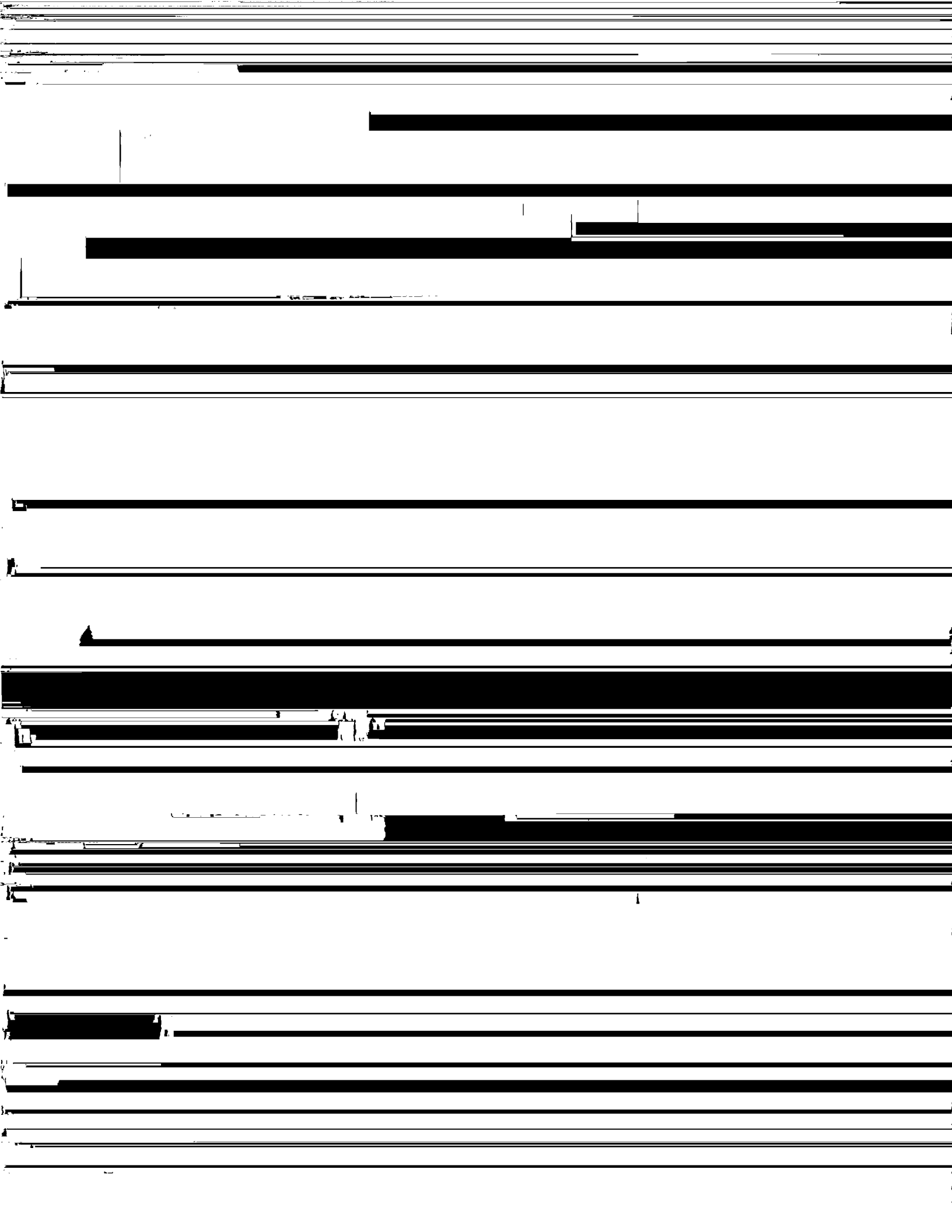
135—Records. Methods and procedures in classifying and storing business records. Filing systems; records management and retention; duplicating equipment; dictating, transcribing, and office machines; evaluation. Class: 3 hours. Credit: 3 semester hours.



DEPARTMENT OF ELECTRICAL ENGINEERING

Electrical Engineering (EE)

317. Junior E.E. Laboratory. To be taken in parallel with EE 331.



2311—Calculus II. Methods of integration, hyperbolic functions, vectors and parametric equations, and solid geometry and vectors. Prerequisite: Mth 1391. Class: 3 hours. Credit: 3 semester hours.

2321—Calculus III. Partial differentiation, multiple integrals, infinite series, differential equation. Prerequisite: Mth 2311. Class: 3 hours. Credit: 3 semester hours.

233—Linear Algebra. Set notation, number fields, groups, vectors, geometry of space, vector spaces, determinants, linear transformations, matrices. Prerequisite: Analysis II. Class: 3 hours. Credit: 3 semester hours.

234—Probability and Statistics. Permutations and combinations, factorials, elementary principles of probability, mathematical expectation, averages, curve fitting, engineering applications. Prerequisite: Analysis III. Class: 3 hours. Credit: 3 semester hours.

3301—Introduction to Data Processing. Types of digital computing

539—Infinite Series. Sequences, power series, series of functions, complex series, expansion of functions, tests for convergence, uniform convergence, conditions for rearranging terms in a series. Fourier series, Lambert series, Weierstrass theorem on double series, asymptotic expansions, summation of series. Class: 3 hours. Credit: 3 semester hours.

School of Education

DEPARTMENT OF EDUCATION

Education (Edu)

3312—Education of the Phisically Handicapped. Description and characteristics of children with physical disabilities. Consideration of etiologcal factors and limitations in regular and special classes, hospital and homebound instruction. Class: 3 hours. Credit: 3 semester hours.

430—Education of the Mentally Retarded. Problems in the selection, preparation, development, and use of curriculum materials. Use of resource, selection of equipment, employment opportunities, and a review of recent research. Opportunities provided for functional experiences. Class: 3 hours. Credit: 3 semester hours.

431—Psychology of Exceptional Children. Social and emotional characteristics and adjustment problems of children and youth who are exceptional. Class: 3 hours. Credit: 3 semester hours.

433—Corrective Reading. Causes of reading disability, methods of diagnosis, and remedial instruction. Prerequisite: Edu 339. Class: 3 hours. Credit: 3 semester hours.

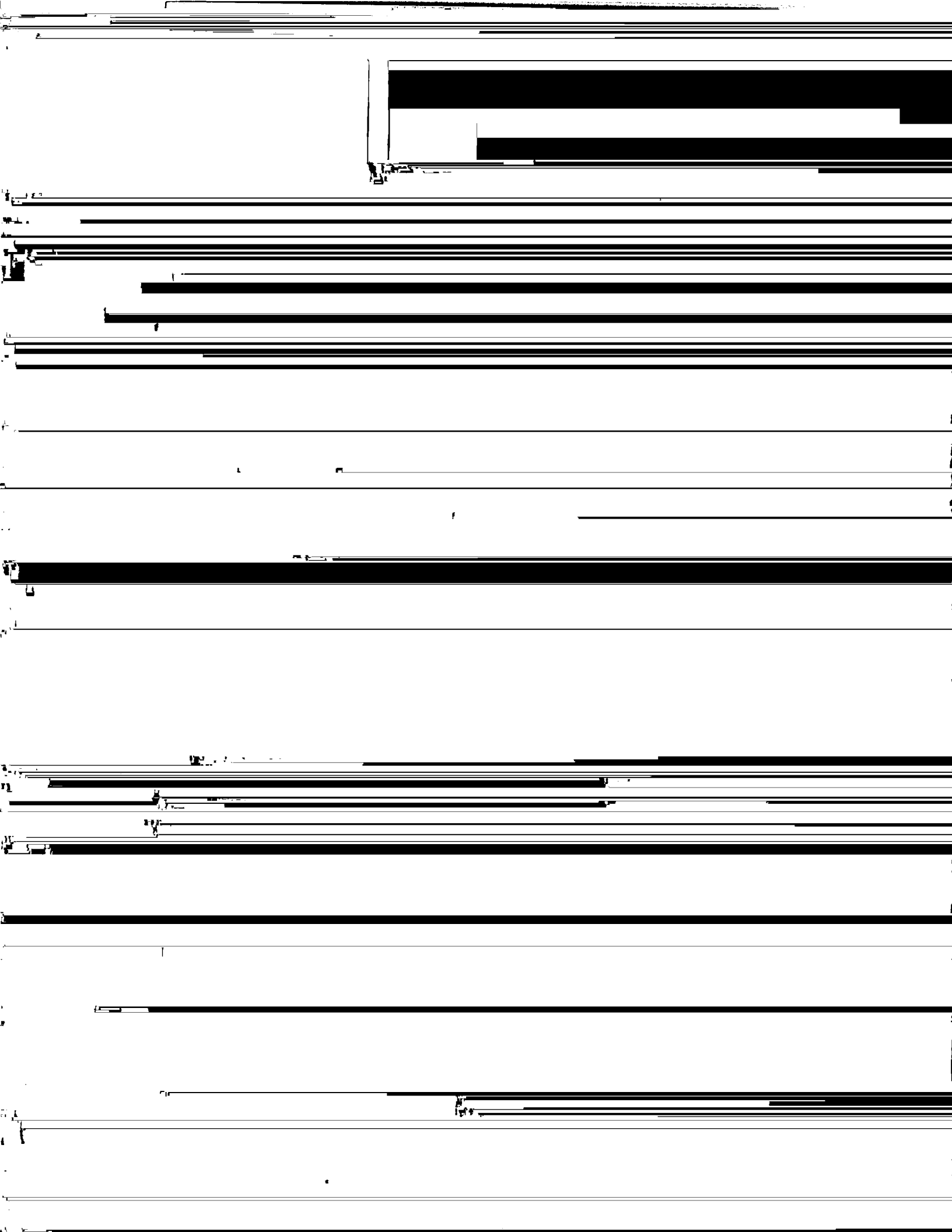
434 Classroom Management and Evaluation Elementary. A study

537—The Elementary School Curriculum. Analysis of the objectives, organization, and content of the different areas of the elementary school

338—Philosophy and Principles of Vocational Home Economics. Interpretation of Home Economics as a discipline concerned with developing student competencies. Class: 3 hours. Credit: 3 semester hours.

438—Methods and Materials for Teaching Home Economics. Objectives, methods, and techniques of teaching vocational home economics in

Advanced students may qualify for American Red Cross Water Safety

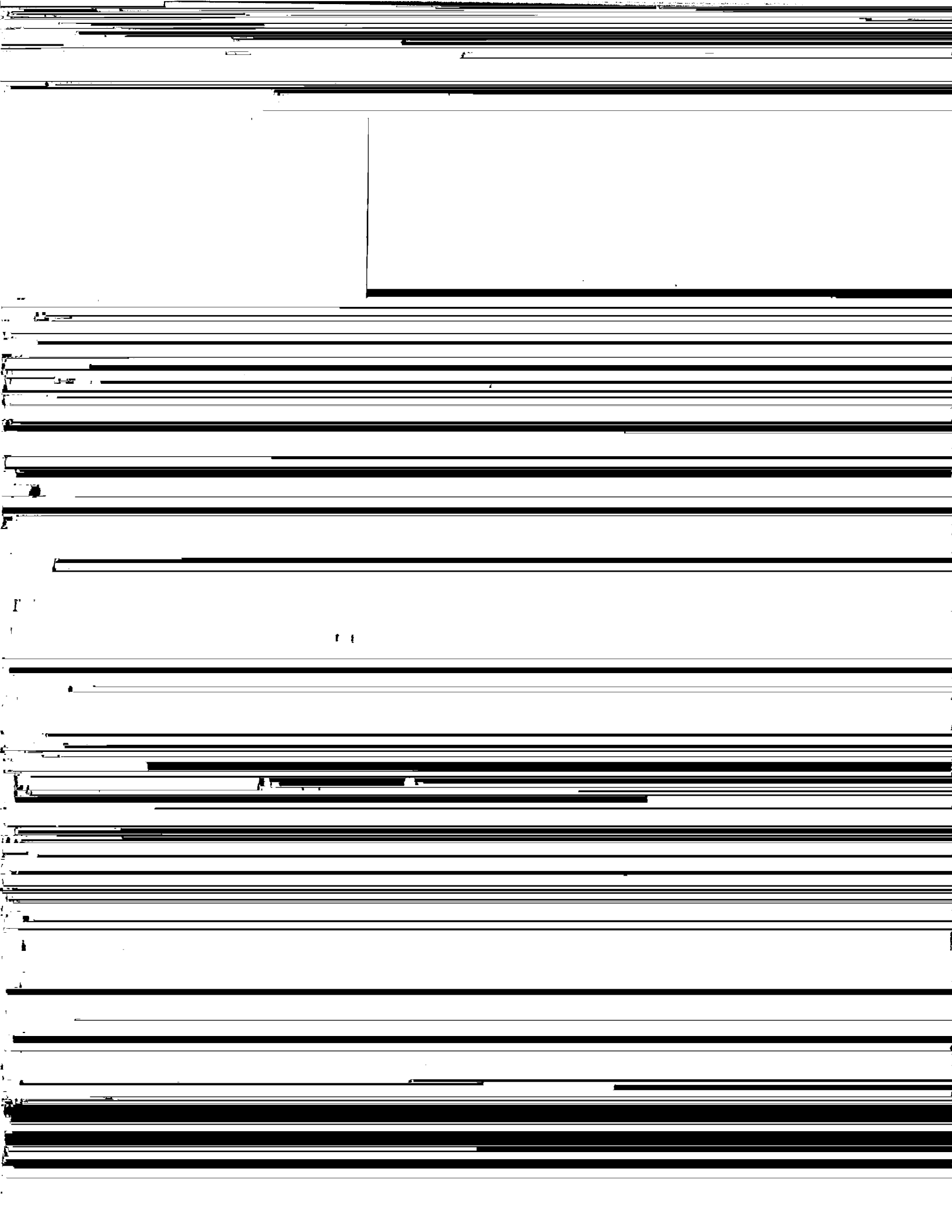


School of Sciences

DEPARTMENT OF BIOLOGY

Biology (Bio)

141-142. General Biology. A brief survey of living things; a compari-



DEPARTMENT OF GEOLOGY

Geology (Geo)

141—Physical Geology. Earth materials, structure, land forms, mineral resources, and the processes which have formed them. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

142—Historical Geology. History of the earth and its life. Prerequisite: Geo 141. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

237—Physical Geography. The fundamental concepts of local, regional, and global geography. Prerequisite: sophomore standing. Class: 3 hours. Credit: 3 semester hours.

335—Earth Materials. The identification, classification, occurrence, and economic significance of minerals and rocks. Field trip required. A student may not receive credit for both Geo 335 and Geo 241-242. Prerequisite: Geo 141, Geo 237, or Geo 239. Class: 3 hours. Credit: 3 semester hours.

360—Summer Field Course. Description of stratigraphic sections, preparation of geologic maps and field reports. Duration: 6 weeks. Total cost: $200-$300. Prerequisites. Geo 342 and Egr 121. Class: 5 hours. Laboratory: 40 hours. Credit: 6 semester hours.

DEPARTMENT OF PHYSICS

Physics (Phy)

141—General Physics—Mechanics and Heat. Designed for majors in the physical or natural sciences. Emphasis placed upon understanding and application of basic physical laws. Prerequisite: Credit for Mth 133 and 134. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

142—General Physics—Sound, Light, Electricity & Magnetism. A continuation of Phy 141. Prerequisite: Phy 141. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

241—Introductory Physics—Heat, Electricity and Magnetism. Emphasis is placed on derivations, units, and problem-solving. Prerequisite: Phy 140 or Egr 132 and credit for or registration in Mth 231. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

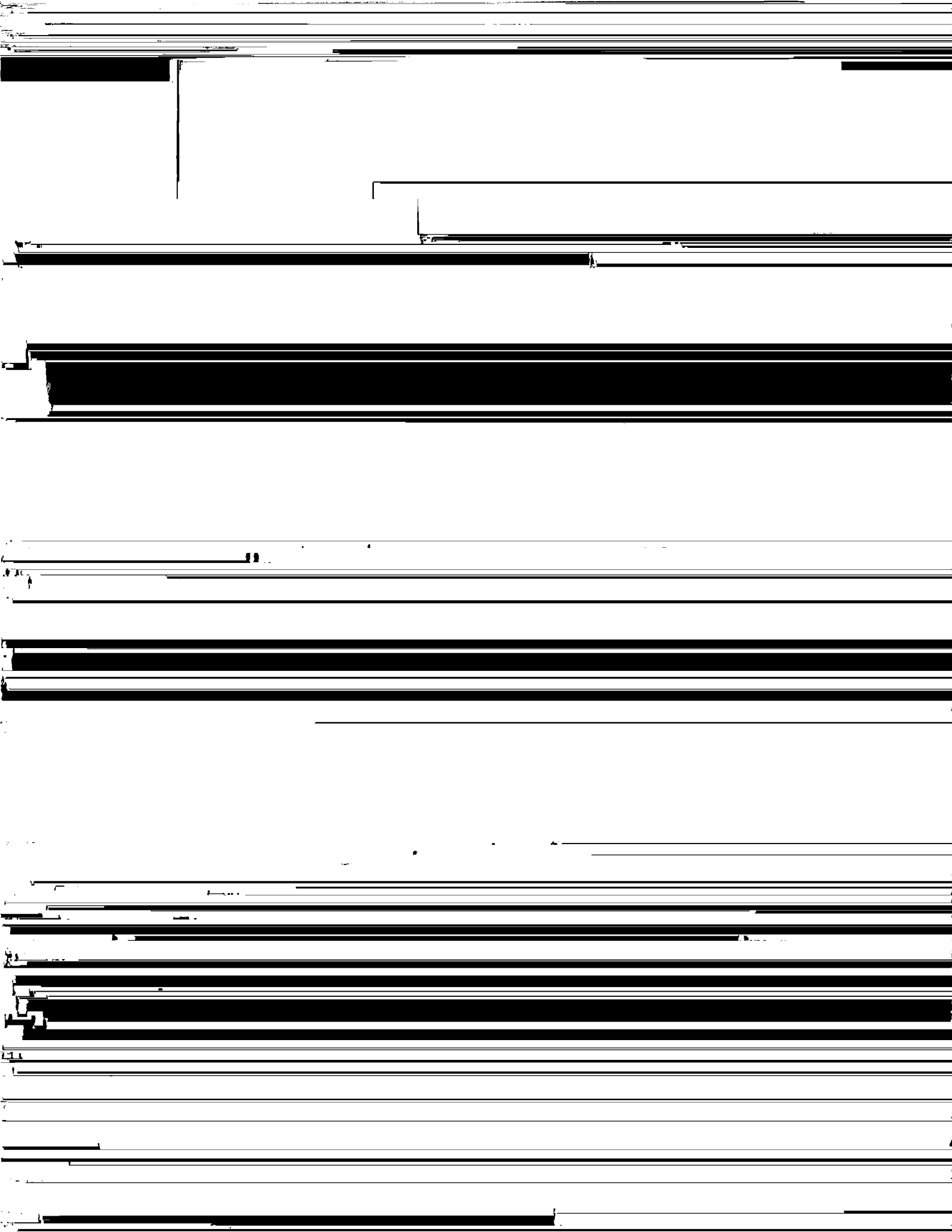
242—Introductory Physics—Sound, Light, and Quanta. Emphasis is placed on derivations, units, and problem-solving. Prerequisite: Phy 241.

School of Fine and Applied Arts

DEPARTMENT OF COMMERCIAL ART

Commercial Art (CA)

130—Appreciation of the Fine Arts. (Same as Spc 130 and MLt 130.)
A survey course covering the areas of a. art, b. music, c. theatre. To be



COURSE OFFERINGS

DAY CLASSES

Terms 1 and 2

COURSE NO.	COURSE TITLE	TERM(S) OFFERED	SEM. HRS. CREDIT
	ACCOUNTING		
231	Principles	1	3
232	Principles	2	3
331	Intermediate	1	3
332	Intermediate	2	3
334	Cost Accounting	1	3
431	Advanced	1	3
432	Advanced	2	3
	ANTHROPOLOGY		
231	Introduction to Anthropology	1	3
331	Culture and Personality	1	3
	BIBLE		
111	Acts of the Apostles	2	1
132	The New Testament	2	3
	BIOLOGY		
141	General Biology	1	4
142	General Biology	2	4

CHEMICAL ENGINEERING

332	Chemical Process Principles III	2	3
333	Thermodynamics II	2	3
342	Chemical Process Principles I	1	4

CHEMISTRY

141	General	1	4
142	General	2	4
143	Introductory	1	4
144	Introductory	2	4
241	Quantitative Analysis	2	4
333	Inorganic	1	3
341	Organic	1	4
342	Organic	2	4
431	Physical	1	3
432	Physical	2	3

COMMERCIAL ART

130	Appreciation of Fine Arts	1 & 2	3
131	Sketching	1	3
132	Sketching	2	3
137	Language of Art	1	3
138	Language of Art	2	3
235	Art Concepts	1	3
236	Art Concepts	2	3
337	Public School Art	1 & 2	3
338	Public School Art	2	3
437	Psychology of Art	1	3
438	Psychology of Art	2	3
439	Directed Individual Study	1 & 2	3

ECONOMICS

231	Principles	1	3
232	Principles	2	3
233	Principles	1	3
339	Economics of the Firm	2	3
432	Money & Banking	1	3
437	Intermediate Theory	1	3
438	Macro Economics	1	3

EDUCATION

330	Teaching Media and Programed Inst.	1	3
331	Foundations in Education	1 & 2	3
332	Educational Psychology	1 & 2	3
333	Language Arts in Elem. Schools	1 & 2	3
334	Child Development & Evaluation	1 & 2	3

439	Nature & Needs Neuro. Impaired	2	3
4337	Tests & Measurements	1	3
530	Structure & Organ. Public Education	1	3
531	Research in Elementary Education	1 & 2	3
532	Current Issues in Education	2	3
535	Advanced Educational Psychology	2	3
537	The Elementary School Curriculum	1	3
538	Prob. in Teaching Arithmetic and Science	1	3
539	Developmental Reading	2	3
5301	Current Literature for Child and Adol.	1	3
5315	Problems and Issues in Special Education	2	3
5317	Secondary School Curriculum	2	3
5319	Problems in Secondary School Instruction	1	3
669A&B	Thesis	1 & 2	6

ELECTRICAL ENGINEERING

317	Junior E. E. Laboratory	1	1
331	Circuits I	1	3
332	Circuits II	2	3
335	Energy Conversion I	1	3
336	Energy Conversion II	2	3

GEOLOGY

141	Physical Geology	1	4
142	Historical Geology	2	4
237	Physical Geography	2	3
335	Earth Materials	1	3
360	Field Geology	1	6

GERMAN

131	First Year German	1	3
132	First Year German	2	3
231	Reading, Composition, Conversation	1	3
232	Reading, Composition, Conversation	2	3

GOVERNMENT

231	American Constitutional System	1 & 2	3
232	American and State Government Organ	1 & 2	3
337	Politics of American Foreign Policy	1	3
3318	Far Eastern Government Politics	2	3
433	Political Thought III	1	3
439	Comparative Public Administration	2	3

HISTORY

131	History of World Civ	1 & 2	3
132	History of World Civ	1 & 2	3
231	History of United States	1 & 2	3
232	History of United States	1 & 2	3
431	Old Regime	1	3
432	French Revolution and Napoleon	2	3
4311	Colonial America	1	3
4313	Age of Jackson	2	3
4314	American Civil War	1	3
4318	Classical Civilization	2	3
4328	Contemporary America	1	3
532	Readings: The Negro in U. S.	1	3
536	Seminar: Old South	2	3
669A&B	Thesis	1 & 2	6

HOME ECONOMICS

235	Meal Management	1	3
330	Consumer Economics	2	3
332	Nutrition	1	3
338	Phil. and Prin. Voc. HE	1	3
438	Teaching, Methods and Materials	2	3
444	Home Management	1	4

INDUSTRIAL ENGINEERING

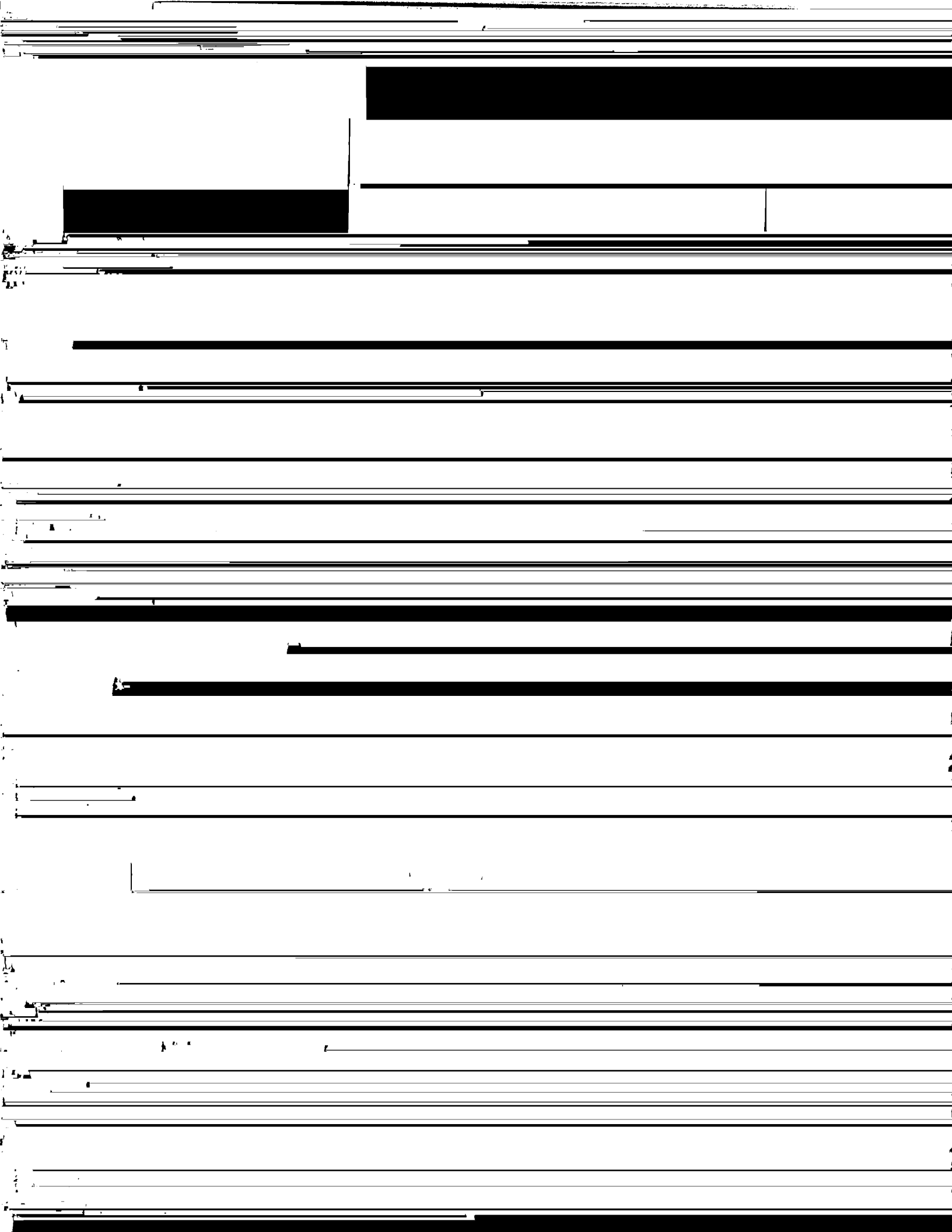
339	Manufacturing Processes	1	3

MATHEMATICS

131	Finite I	1 & 2	3
132	Finite II	1 & 2	3
133	Analytical Trigonometry	1 & 2	3
134	College Algebra	1 & 2	3
135	Contemporary Mathematics I	1	3
136	Contemporary Mathematics II	2	3
137	Contemporary Mathematics III	2	3
1381	Analytic Geometry	1 & 2	3

1391 Calculus I . . . . . 1 & 2 3

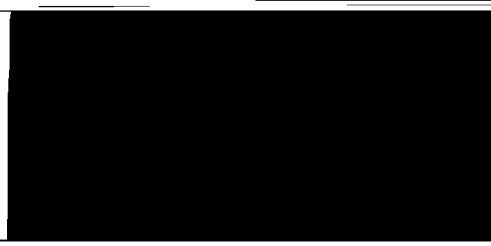
114W	Intermediate Swiming	1 & 2	1
115W	Life Saving	1 & 2	1
212W	Golf (Activity)	2	1



EVENING CLASSES

Terms 1 and 2

COURSE NO.	COURSE TITLE	TERM(S) OFFERED	SEM. HRS. CREDIT
	BUSINESS ADMINISTRATION		
335	Principles of Management	1	3
336	Personnel	2	3



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HOW TO ENTER LAMAR

If You Have Graduated from High School

1. Submit application for admission on the official form.
2. Submit a completed Health Data Form properly executed by a physician. This requirement applies only to students entering DAY CLASSES for the first time.
3. Request that Lamar Tech be sent a copy of your record as soon as 7 semesters have been completed. Immediately after graduation a