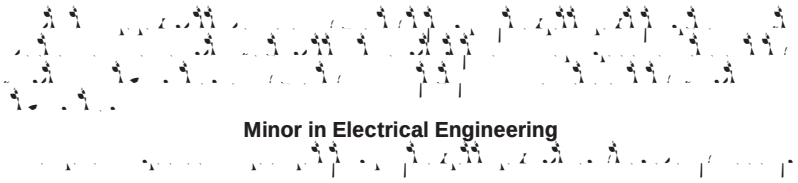


Minor in Electrical Engineering

The Courses (EE)

3311. Solid-State Devices.

3315. Optoelectronics.

3322. Electronic Circuits II.

3330. Electromagnetic Fields and Waves.

G

4301. Telecommunications Senior Design I.

4302. Telecommunications Senior Design II.

4311. Senior Design I.

4312. Senior Design II.

4372. Advanced Topics in Signal Processing.

4373. Advanced Topics in Wireless Communications.

5(1-3)9(0-9). Special Topics.

5176. Network Simulation Lab.

5301. Introduction to Telecommunications.

5302. Telecommunications Management and Regulation.

5356. VLSI Design and Lab.

5357. CAE Tools for Structured Digital Design.

5360. Analog and Digital Control Systems.

5362. (ME 5302). Systems Analysis.

5370. Communication and Information Systems.

5371. Analog and Digital Filter Design.

5372. Digital Signal Processing.

5373. DSP Programming Laboratory.

5374. Digital Image Processing.

5375. Random Processes in Engineering.

5376. Introduction to Communication Networks.

5380. Logic Design and Implementation.

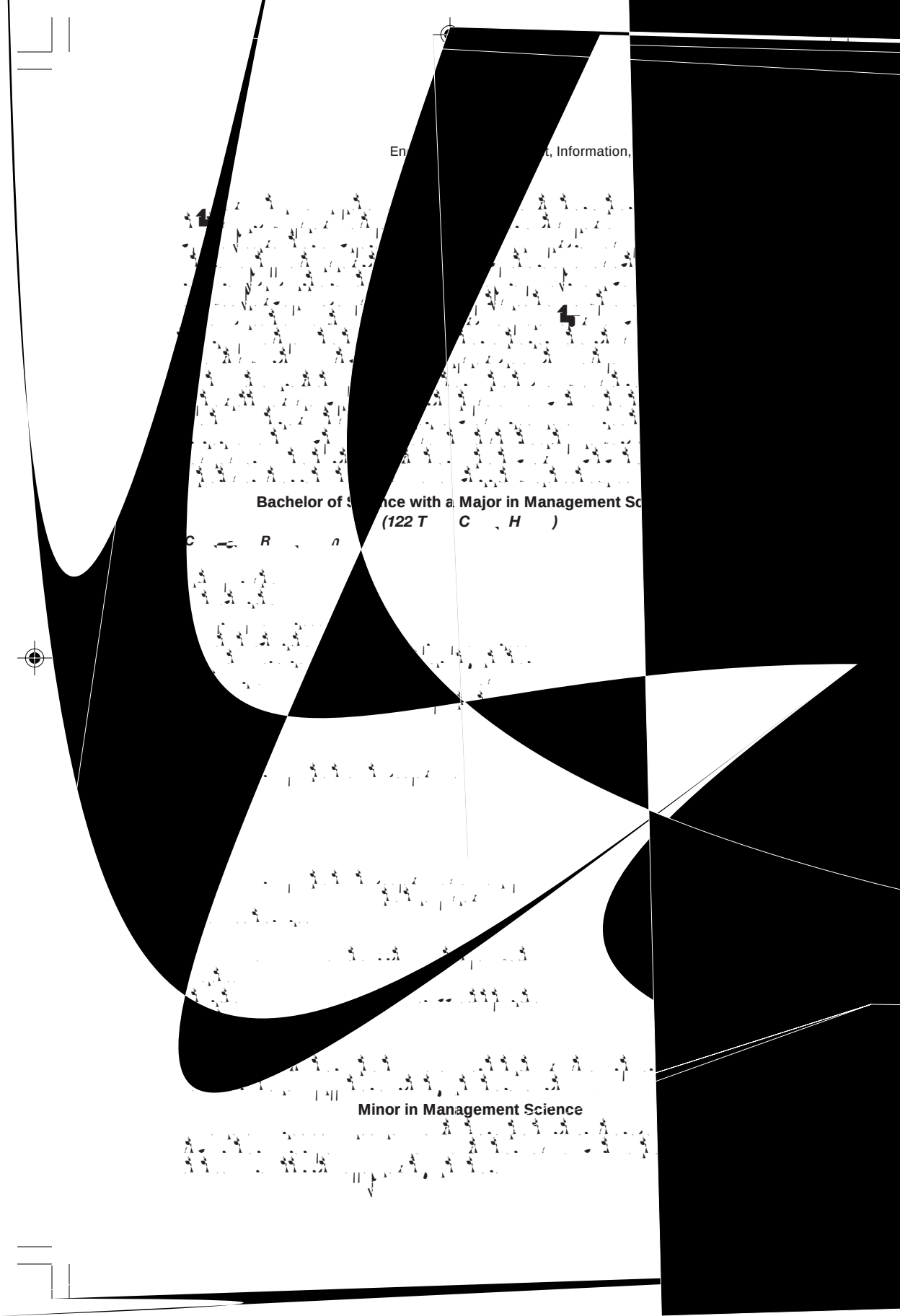
5381. Digital Computer Design.

5385. Microprocessors in Digital Design.

ENGINEERING MANAGEMENT, INFORMATION, AND SYSTEMS

Associate Professor , Chair

Professor: (Computer Science); (Statistics), (Business) Associate Professors: (Computer Science); Assistant Professors: Scholar in Residence in EMIS: Senior Lecturer: Lecturer: Adjunct Faculty:


En t, Information,
Bachelor of S nce with a Major in Management Sc
(122 T C H)
C R n
Minor in Management Science

EMIS 1360
EMIS 2360
EMIS 3360
EMIS 5362
CSE 1341
(1)
EMIS 4340
EMIS 4395

Multiple Degrees

3308. Engineering Management.

3309. Information Engineering and Global Perspectives.

3360. Operations Research.

4340 (STAT 4340). Statistical Methods for Engineers and Applied Scientists.

4(1-4)9(0-4). Undergraduate Project.

4395. Senior Design.

5050. Undergraduate Internship Program.

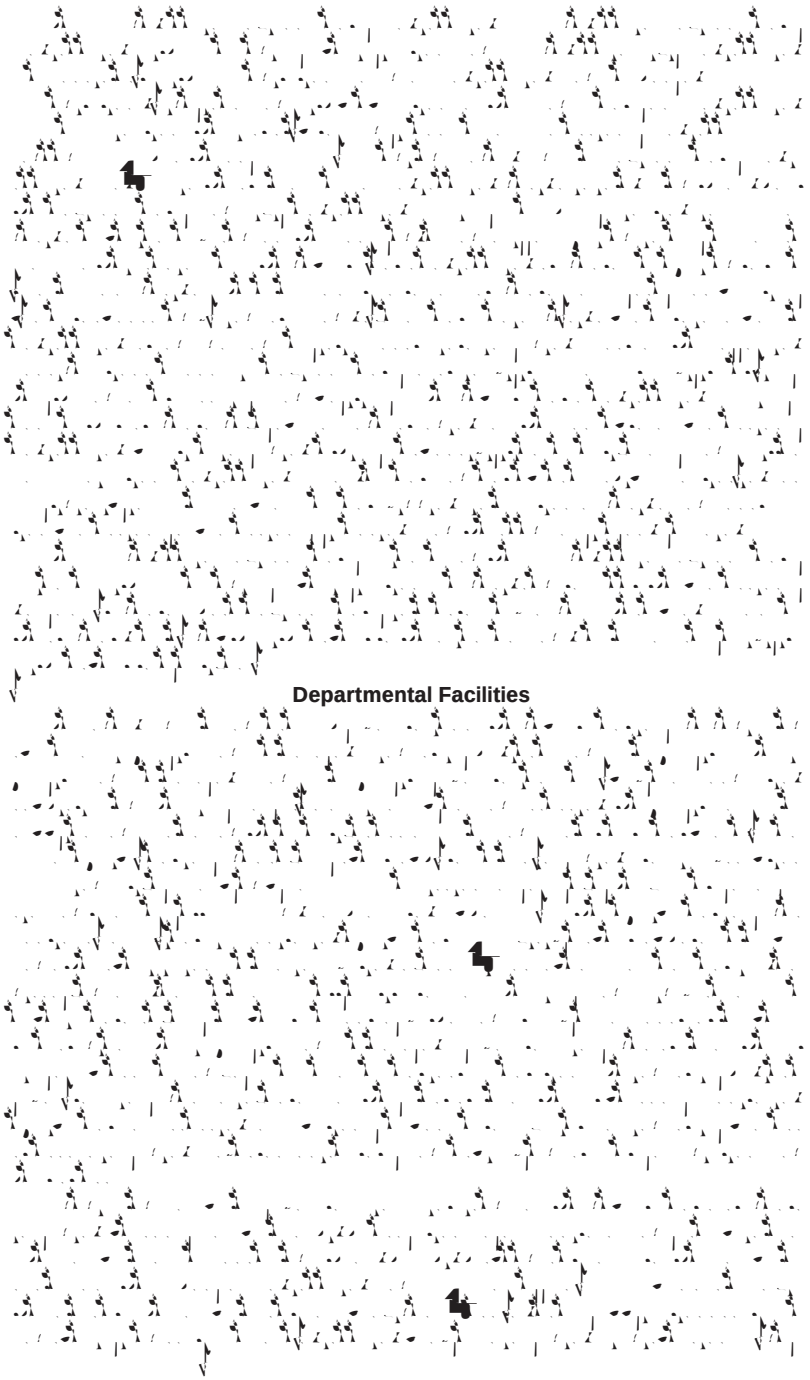
5300. Systems Analysis Methods.

5301. Systems Engineering Process.

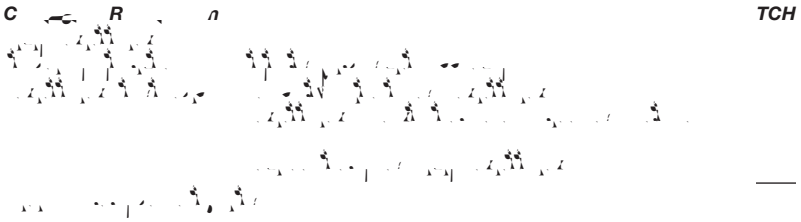
5303. Integrated Risk Management.

5305. Systems Optimization and Analysis.

5307. Systems Integration and Test.

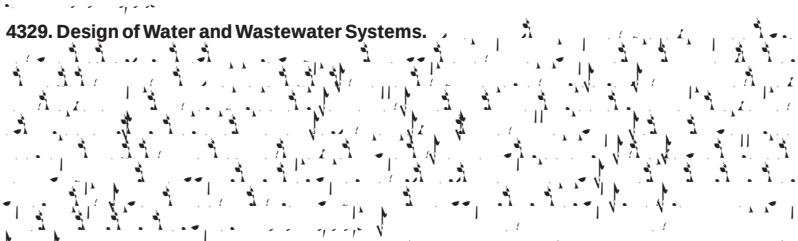

Departmental Facilities

Bachelor of Science in Environmental Science

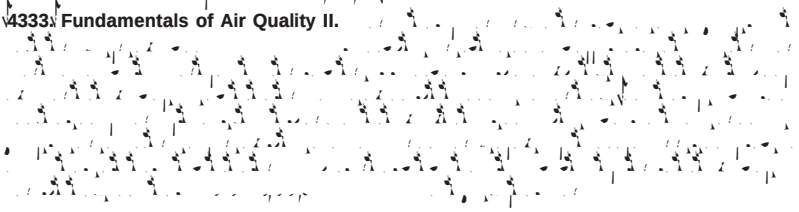


Minor in Environmental Engineering

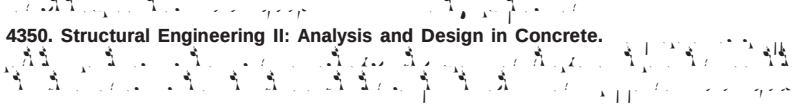
4329. Design of Water and Wastewater Systems.



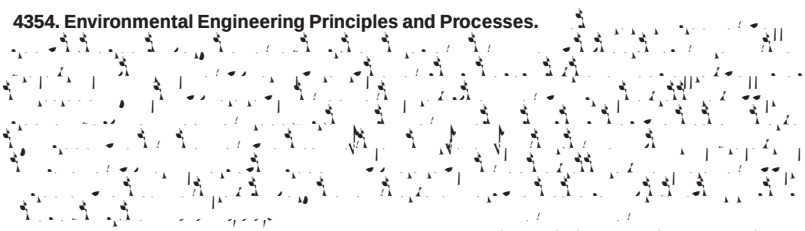
4333. Fundamentals of Air Quality II.



4350. Structural Engineering II: Analysis and Design in Concrete.

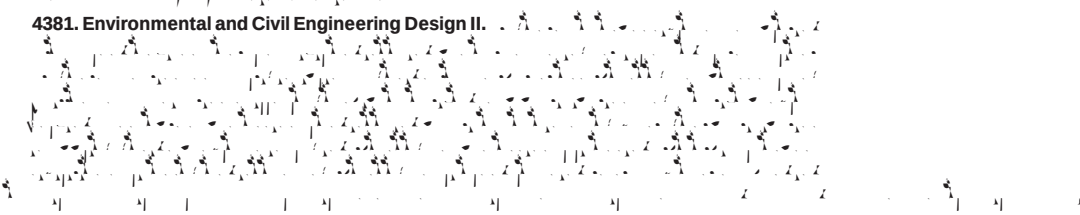


4354. Environmental Engineering Principles and Processes.



4380. Environmental and Civil Engineering Design I.

4381. Environmental and Civil Engineering Design II.



4385. Soil Mechanics and Foundations.

5311. Environmental and Hazardous Waste Law.

5312. Risk Assessment and Health Effects.

5313. Environmental Chemistry and Biology.

5314. Environmental Regulations and Compliance.

5331. Air Pollution Management and Engineering.

5332. Ground Water Hydrology and Contamination.

5333. Laboratory Methods in Environmental Engineering.

5334. Fate and Transport of Contaminants.

5335. Aerosol Science, Engineering, and Control Systems Design.

5340. Introduction to Solid Mechanics.

5370. Facility Planning.

5371. Facility Financial and Asset Management.

5372. Introduction to CAD.

5373. Prestressed Concrete.

5377. Advanced Steel Design.

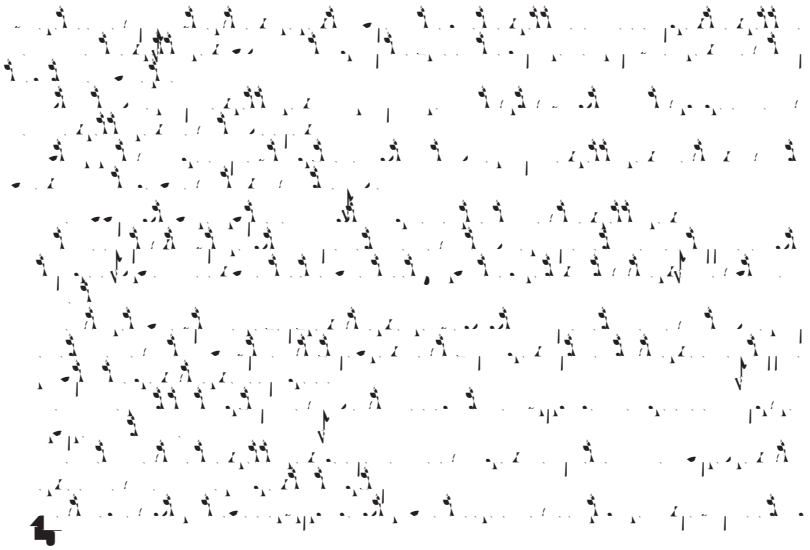
5383. Heating, Ventilating, and Air Conditioning.

5384. Energy Management for Buildings.

5385. Advanced Soil Mechanics.

Adjunct Faculty:

Emeritus Professors:



Mechanical Engineering

Design Synthesis.

Bachelor of Science in Mechanical Engineering

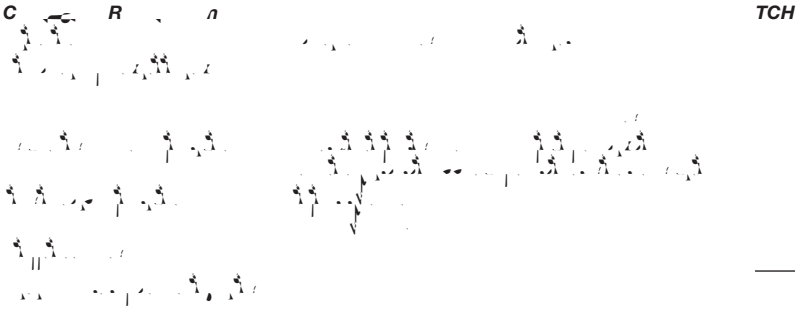
C N

C R n TCH

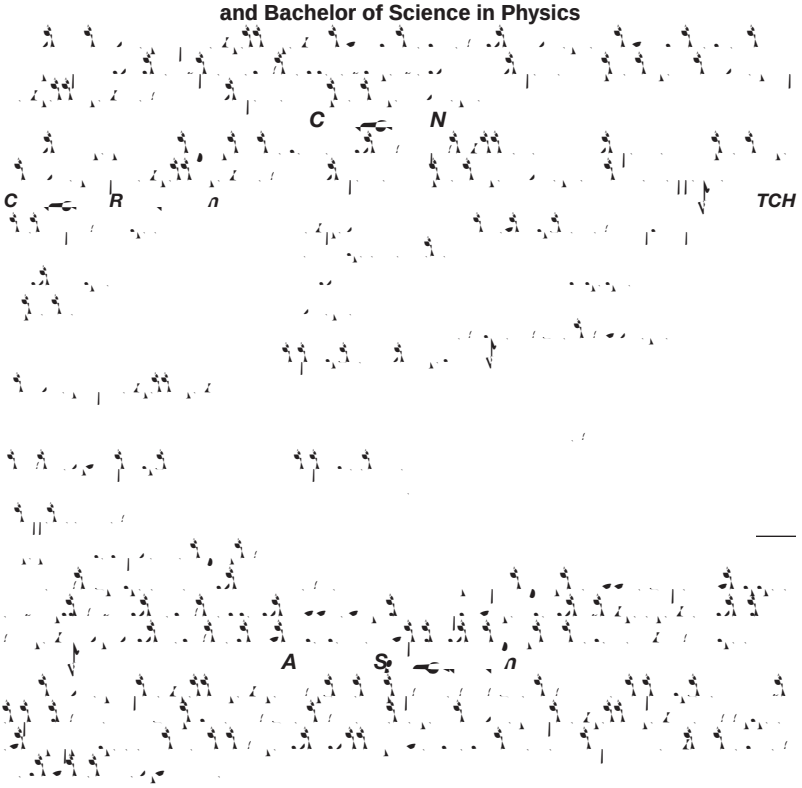
Bachelor of Science in Mechanical Engineering and Bachelor of Science in Mathematics

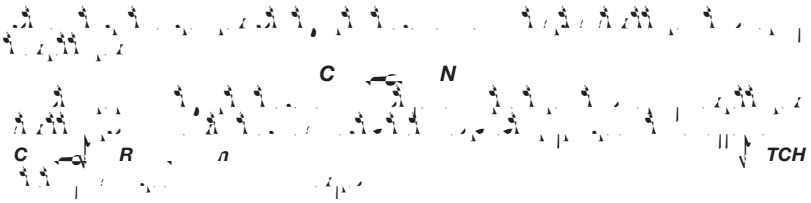
C N

C R n TCH



Bachelor of Science in Mechanical Engineering and Bachelor of Science in Physics




C N
C R n TCH

Bachelor of Science in Mechanical Engineering

(P /B S n)

C N

C R n TCH

1302. Introduction to Engineering.

1303. Energy, Technology, and the Environment.

1305. Information Technology and Society.

1372. Introduction to Computer Aided Engineering (CAE).

2131. Thermodynamics Laboratory.

2140. Mechanics of Materials Laboratory.

2142. Fluid Mechanics Laboratory.

2310. Statics.

2320. I dir1 Tf8 0 0 8 141.30 Te Tw2 74l-8w8s;e39ium e(r)-5.8[borrnal forces;

5302 (EE 5362). Linear Systems Analysis.

5319. Advanced Mechanical Behavior of Materials.

5320. Intermediate Dynamics.

5321. Failure Analysis.

5322. Vibrations.

5353. Manufacturing Management Practices.

5354. Total Quality Management in Manufacturing.

5355. Integrated Design and Manufacturing.

5356. Human Factors in Design and Manufacturing.

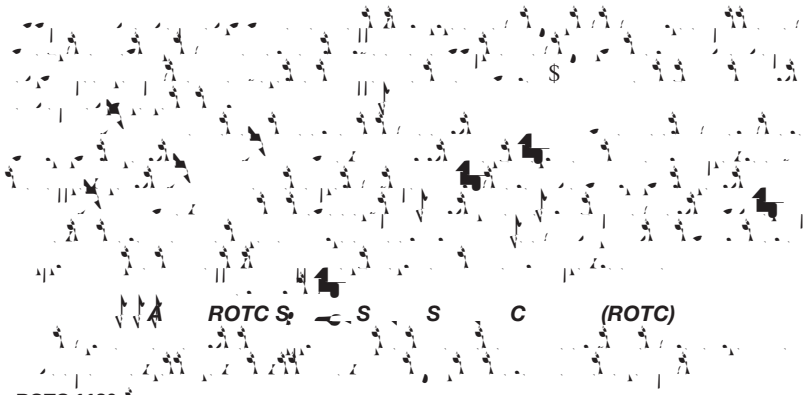
5357. Optimized Mechanical Design.

5358. Design of Electronic Packaging.

5359. Analysis and Design of Optoelectronic Packaging.

5360. Electronic Product Design and Reliability.

5376. Robotics – Introduction to Computer-Aided Manufacturing.



A ROTC S S S C (ROTC)

ROTC 1180

CORPORATE OFFICERS OF THE UNIVERSITY

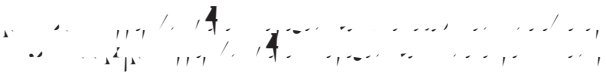
ACADEMIC DEANS

OFFICE OF THE PRESIDENT

OFFICE OF THE PROVOST AND VICE PRESIDENT FOR ACADEMIC AFFAIRS

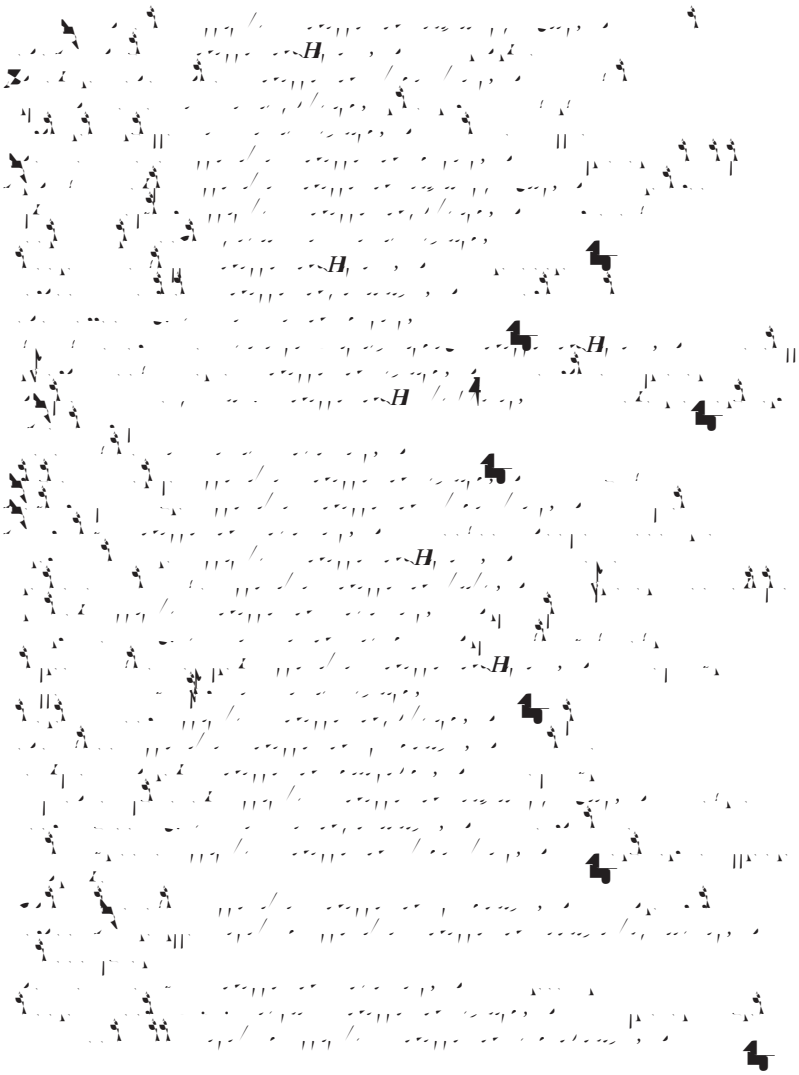
OFFICE OF THE VICE PRESIDENT FOR BUSINESS AND FINANCE

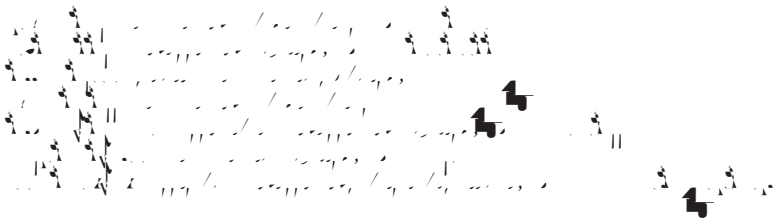
OFFICE OF THE VICE PRESIDENT FOR DEVELOPMENT AND EXTERNAL AFFAIRS

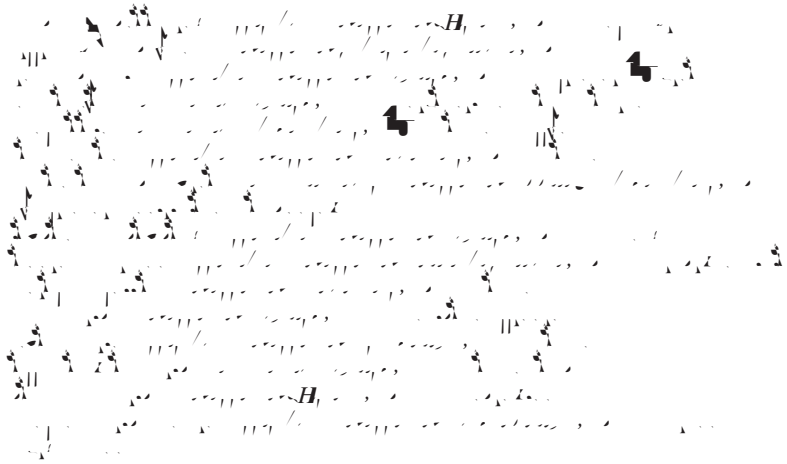


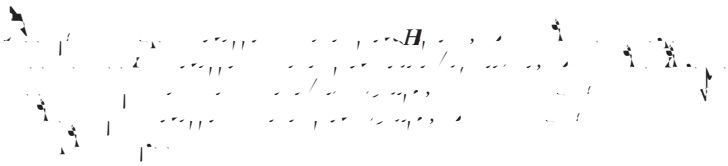
ADMINISTRATION

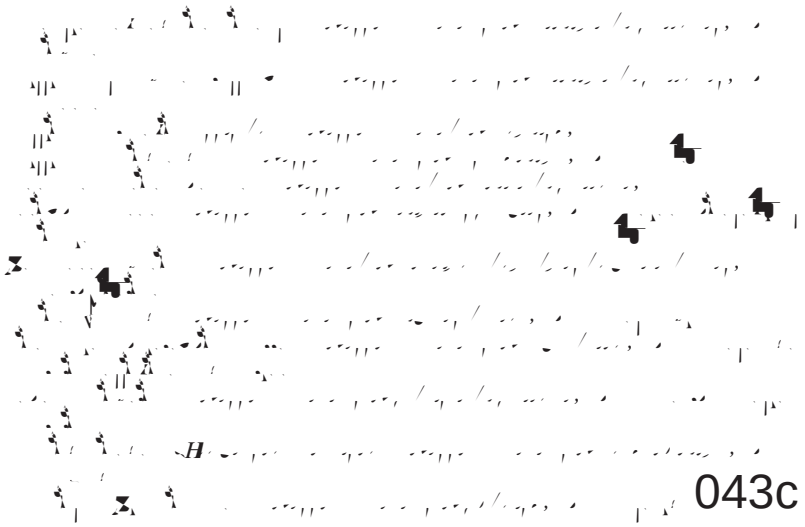
FACULTY

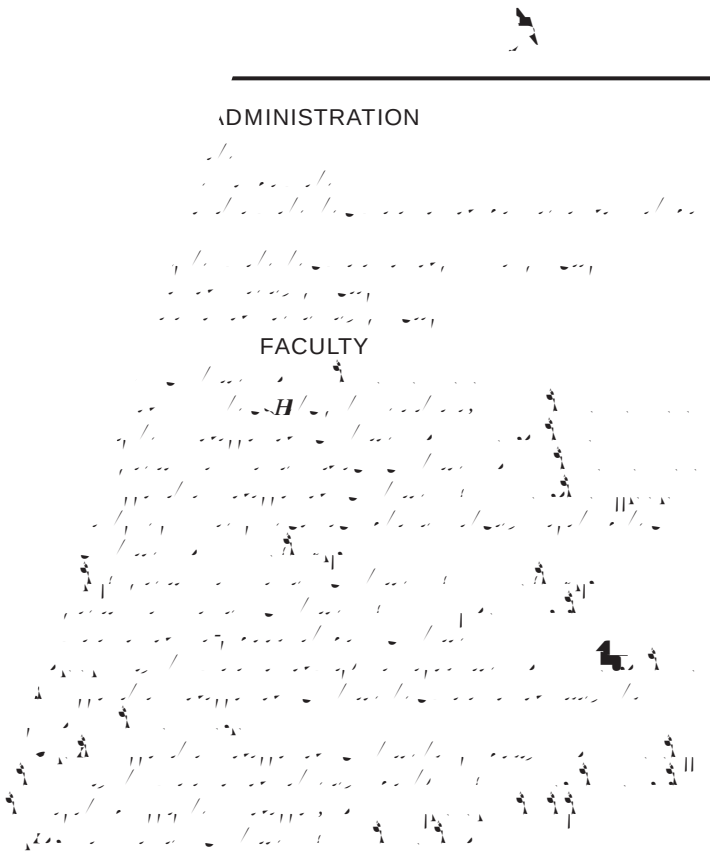


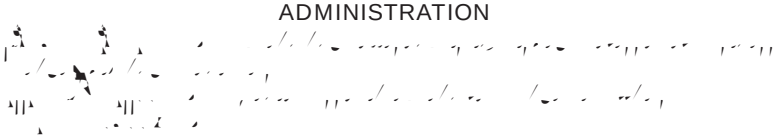


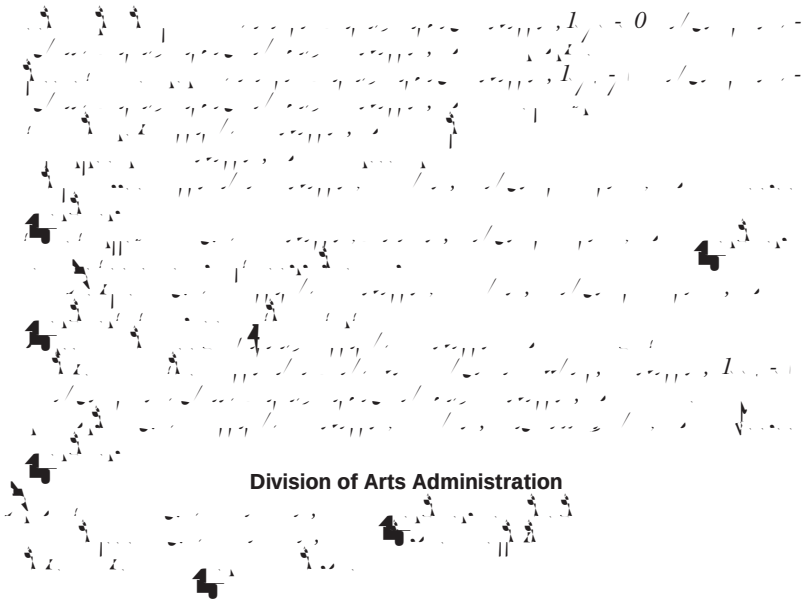




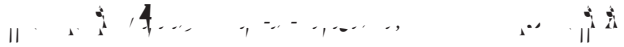


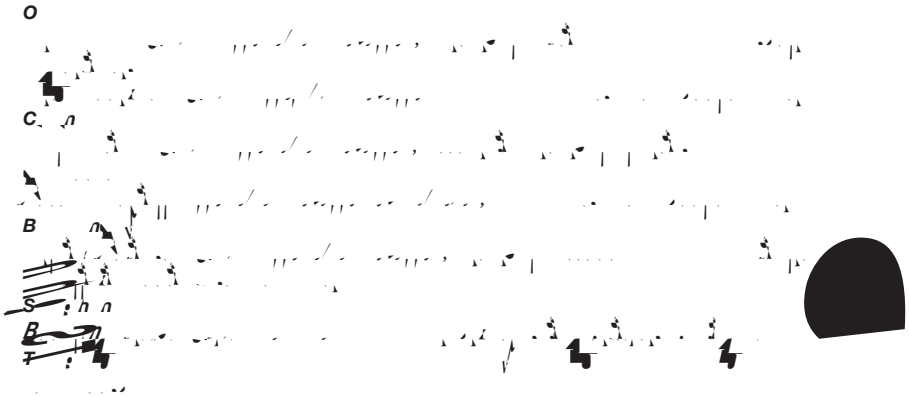

ADMINISTRATION
FACULTY

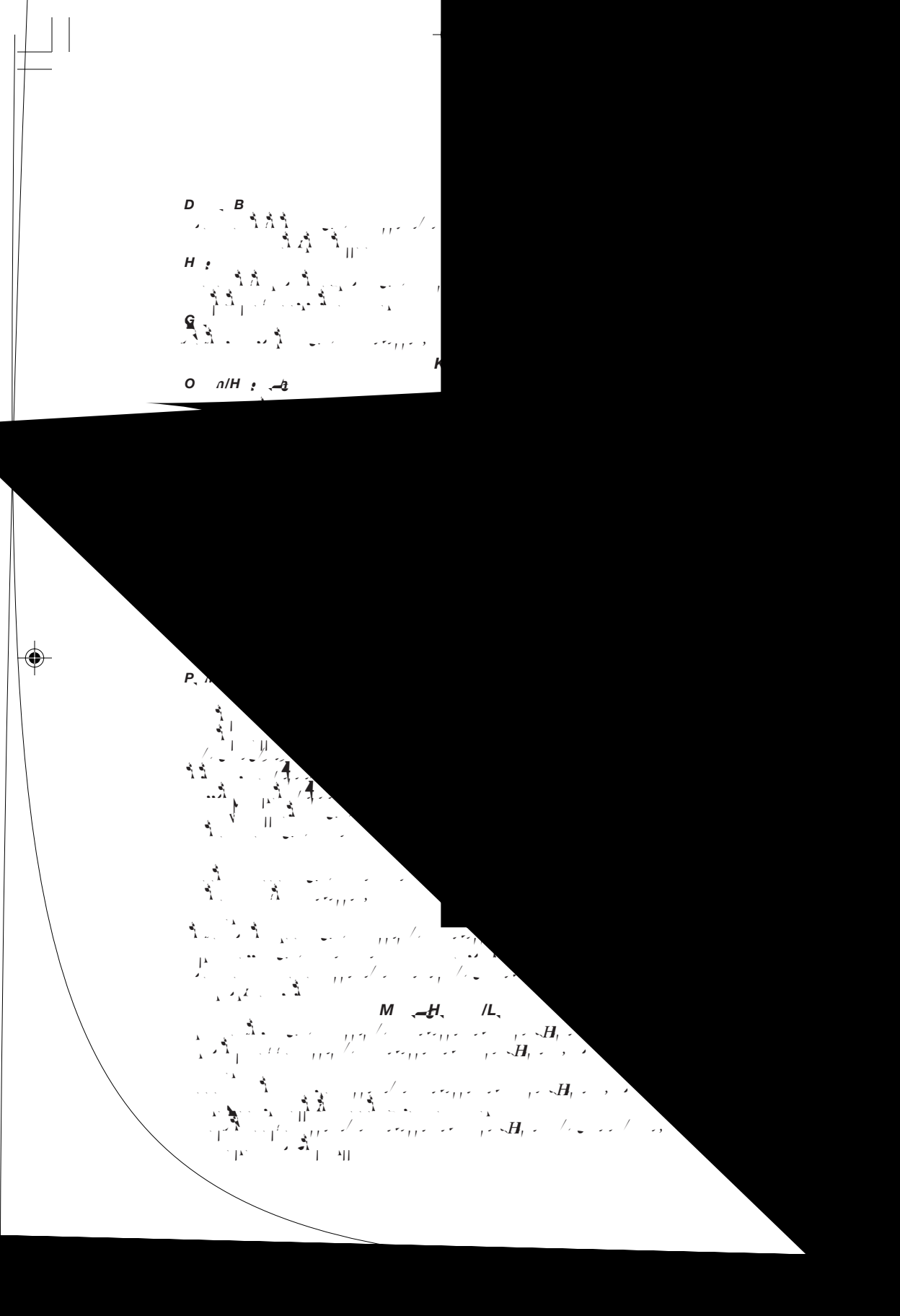


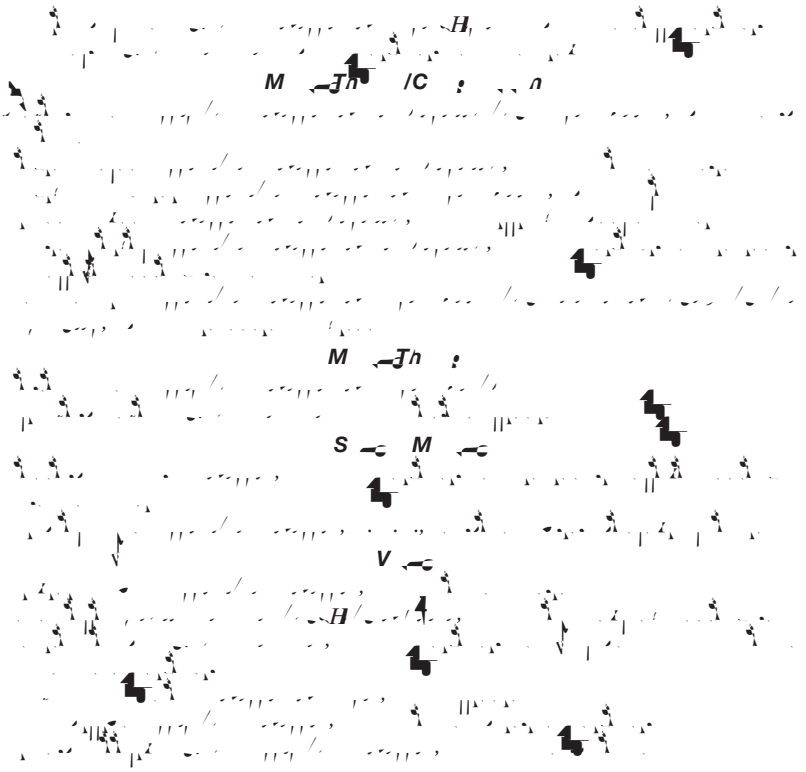


Division of Arts Administration

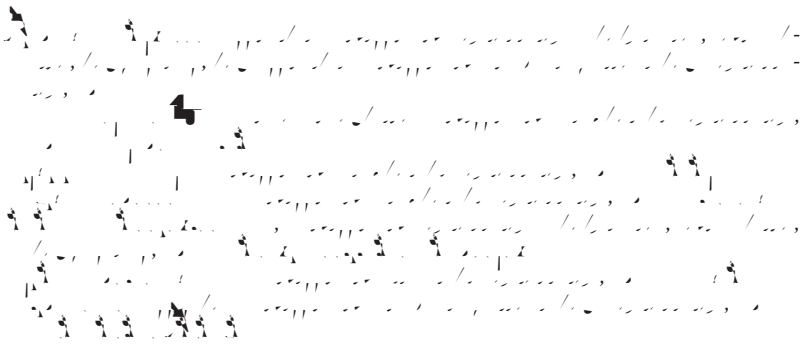


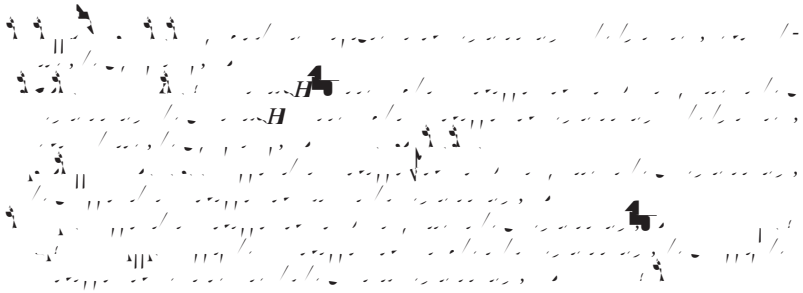




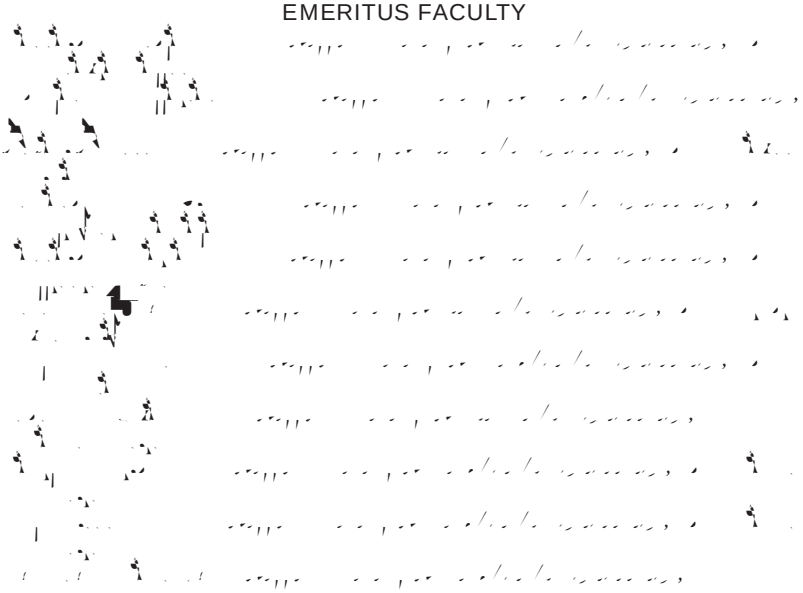


Division of Theatre





EMERITUS FACULTY



ADJUNCT FACULTY