

**TECHNOLOGY EDUCATION
TECHNICAL DRAWING**

THE UNIVERSITY OF THE STATE OF NEW YORK
Regents of The University

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Elmira

COURSE: TECHNICAL DRAWING

COURSE OVERVIEW

Course Description

This curriculum is designed to be used as a half-unit, 18-week course. Both 9-week modules contain topics which have given technical drawing its well deserved reference as a universal

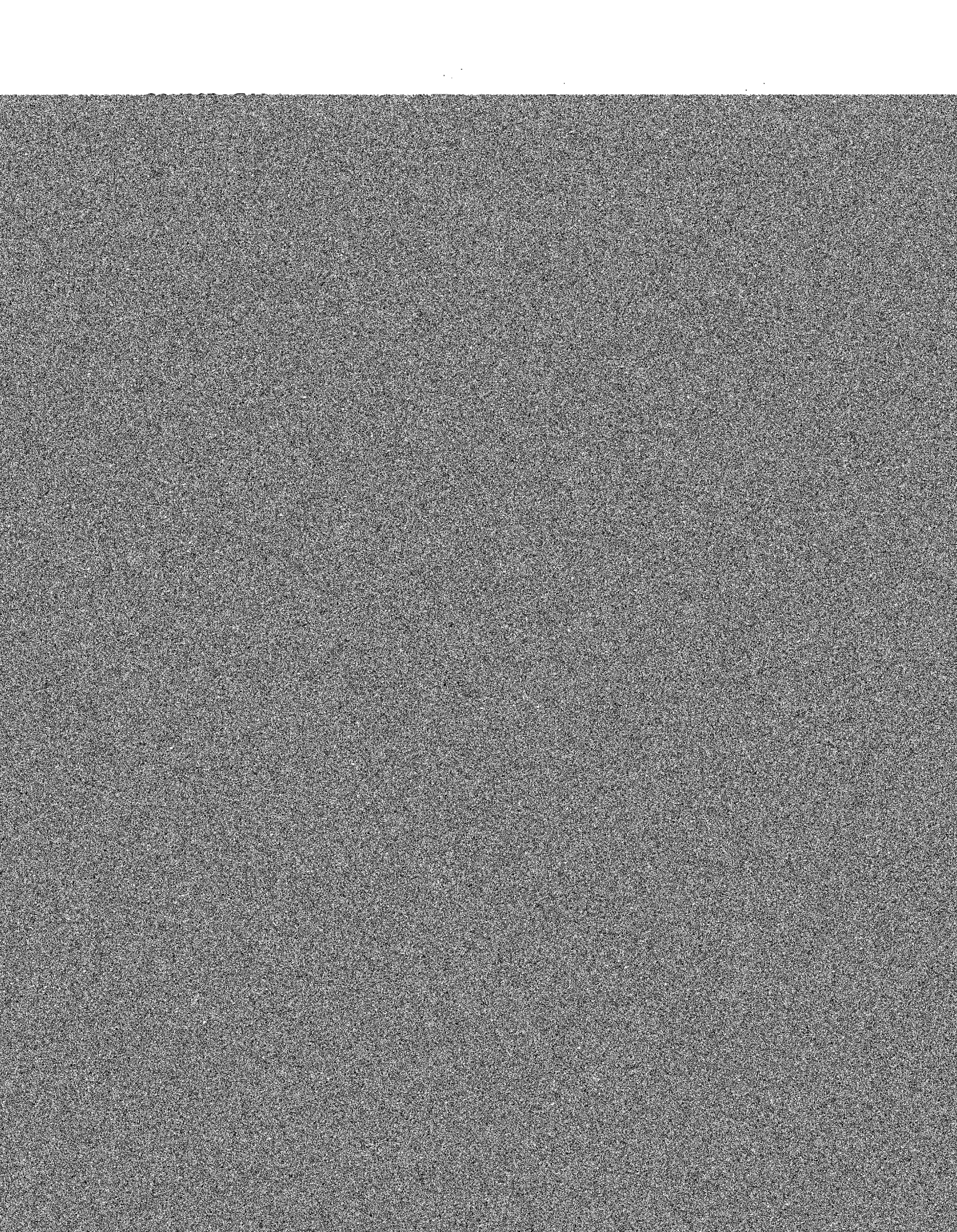
COURSE: TECHNICAL DRAWING

CONTENT OUTLINE, continued

MODULE: BASIC TECHNICAL DRAWING

B. Sketching Equipment

1. Pencils



COURSE: TECHNICAL DRAWING

CONTENT OUTLINE, continued

MODULE: APPLICATIONS OF BASIC TECHNICAL DRAWING



MODULE: BASIC TECHNICAL DRAWING

Estimated
Teaching Time

TOPICS:	Introduction	0.5 week
	Tools/Equipment and Materials	0.5 week
	Lettering	1.0 week
	Sketching	1.0 week
	One- and Two-View Drawings	2.0 weeks
	Dimensioning	1.0 week

MODULE: BASIC TECHNICAL DRAWING

OVERVIEW OF MODULE, continued

Skills, Knowledge, and Behaviors to be Developed

The ability to:

1. Trace the historical development of technical drawing
2. Explain the need for a technical means of communicating as contrasted with an artistic or written means of communicating
3. Use the principal items of drawing equipment available to draftspersons

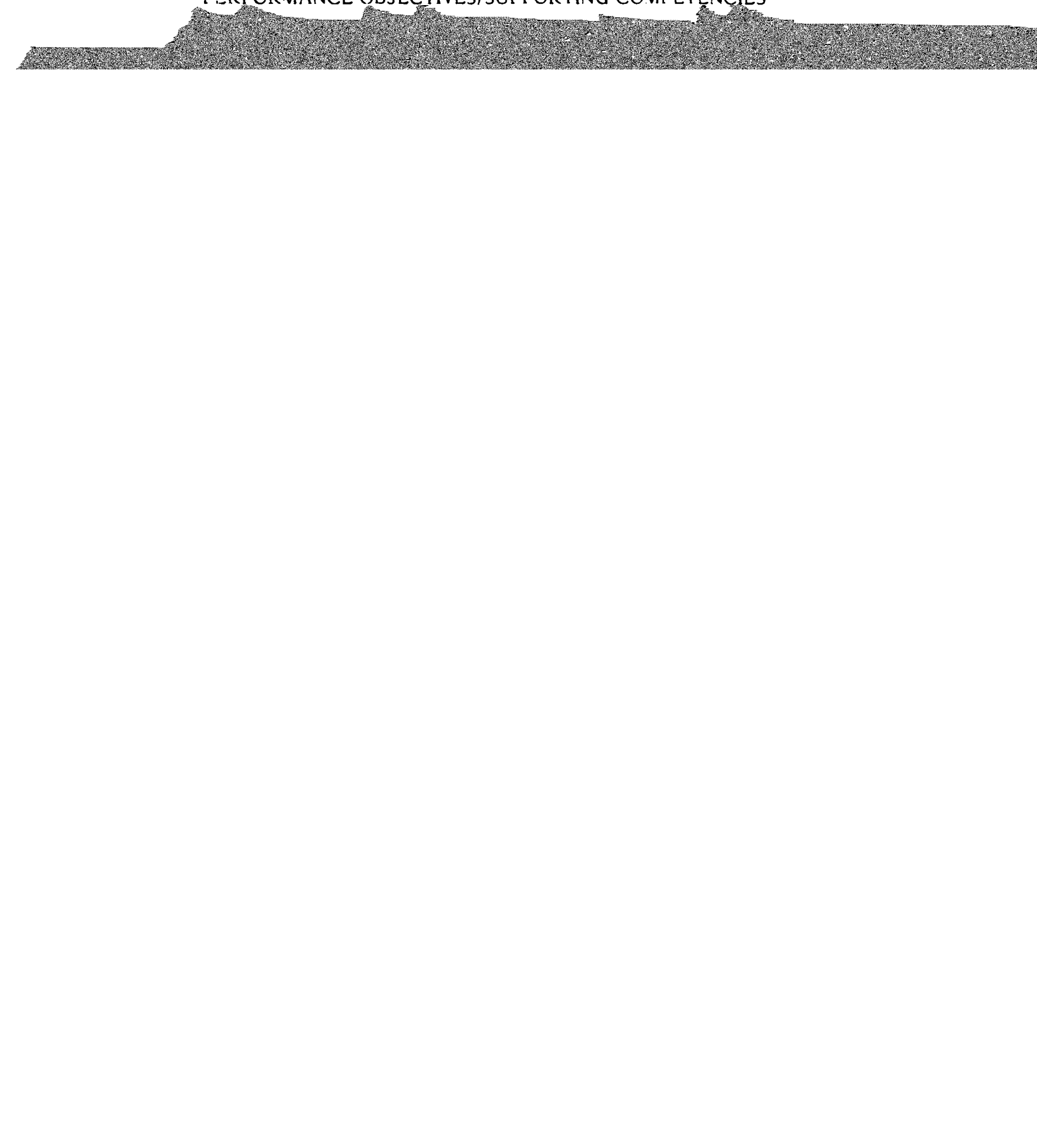
MODULE: BASIC TECHNICAL DRAWING

TOPIC: Lettering



MODULE: BASIC TECHNICAL DRAWING
TOPIC: One- and Two-View Drawings

PERFORMANCE OBJECTIVES/SUPPORTING COMPETENCIES



MODULE: BASIC TECHNICAL DRAWING
TOPIC: Three-View Drawings

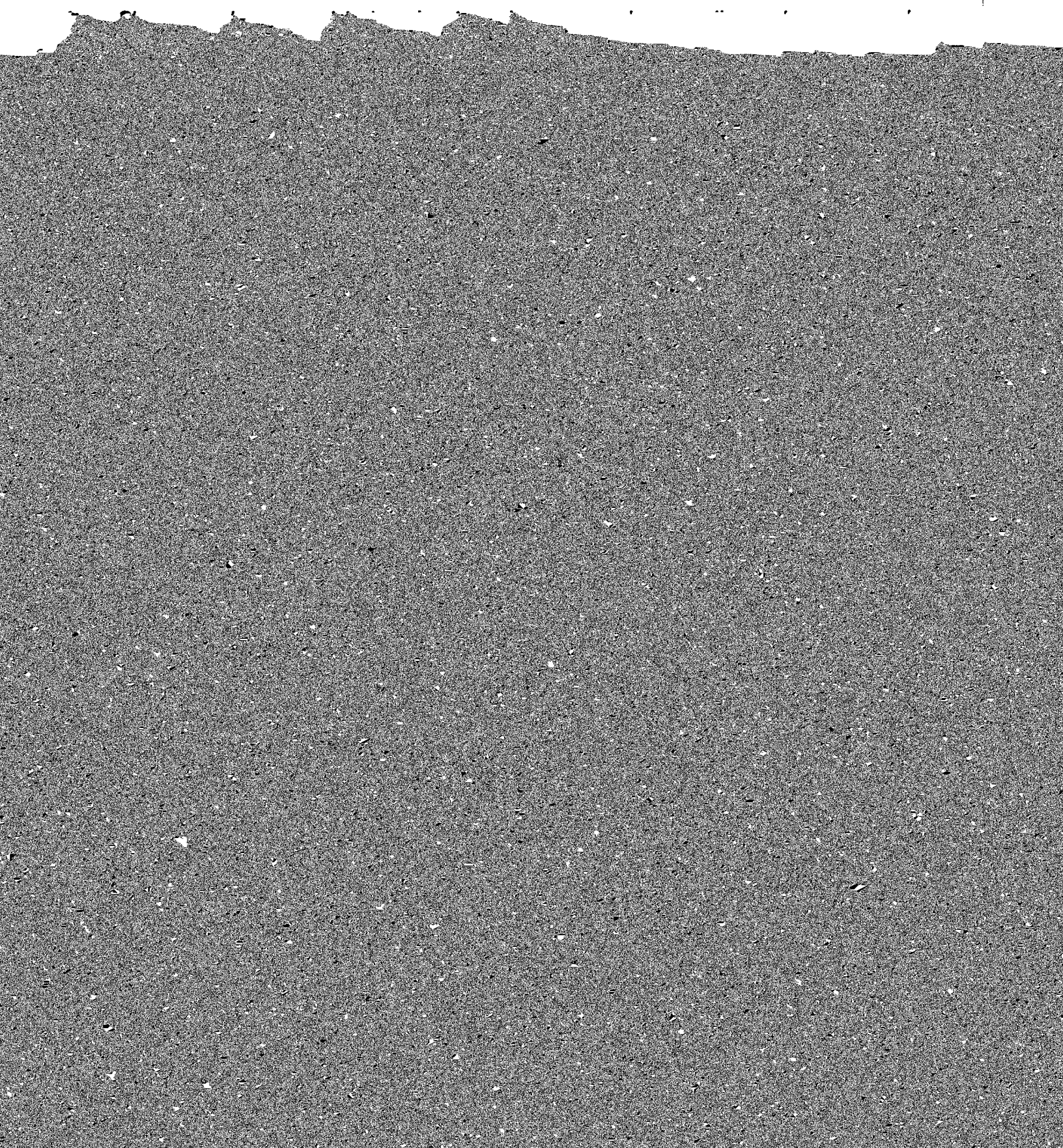
PERFORMANCE OBJECTIVES/SUPPORTING COMPETENCIES

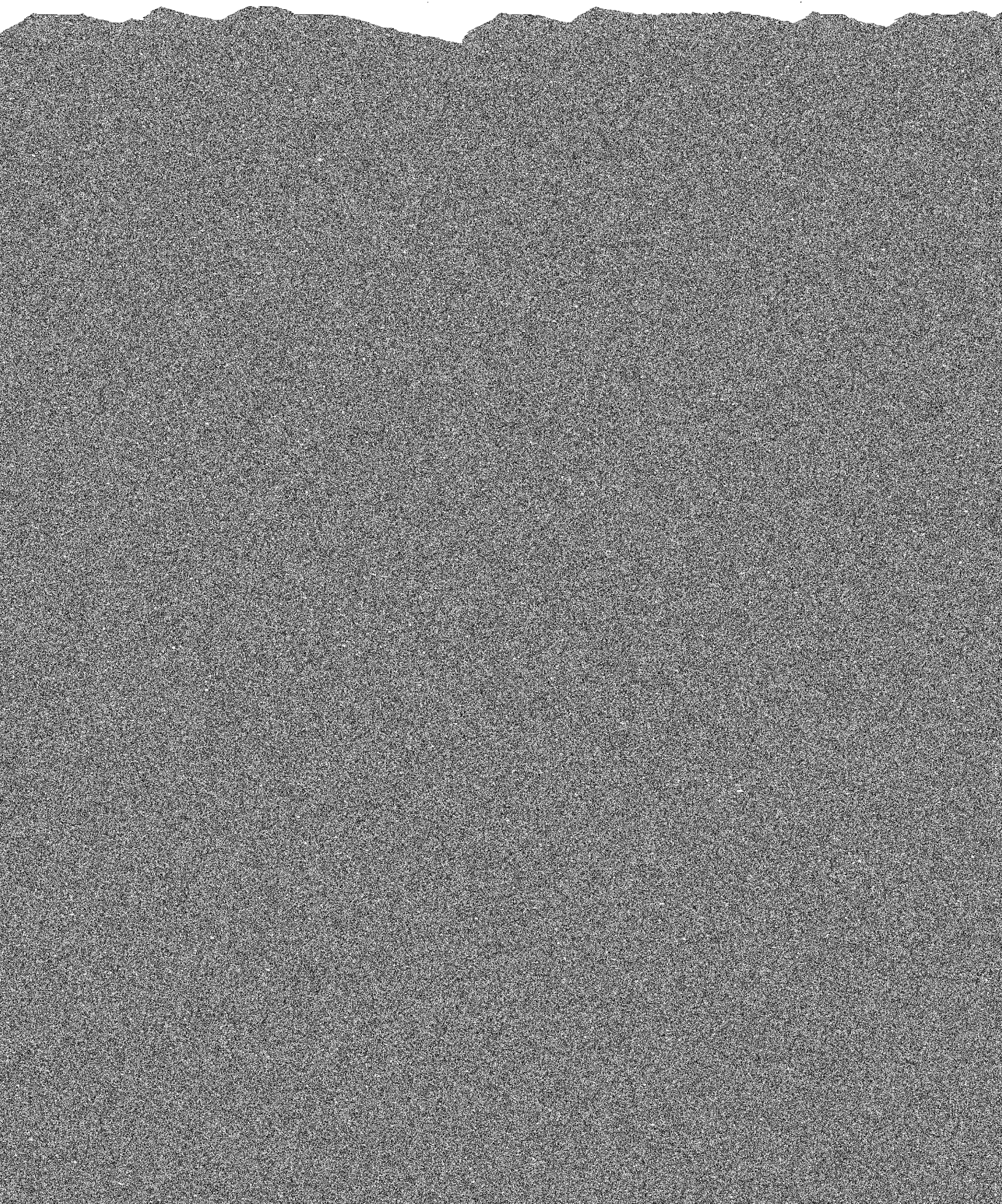
MODULE: APPLICATIONS OF BASIC TECHNICAL DRAWING

	<u>Estimated Teaching Time</u>
TOPICS: Geometric Construction	1.0 week
Sectioning	2.0 weeks
Isometric Views	2.0 weeks
Auxiliary Views	1.5 weeks
Developments	2.0 weeks
Drawing Reproduction	0.5 week

MODULE: APPLICATIONS OF BASIC TECHNICAL DRAWING
TOPIC: Sectioning

PERFORMANCE OBJECTIVES/SUPPORTING COMPETENCIES





MODULE: APPLICATIONS OF BASIC TECHNICAL DRAWING
TOPIC: Auxiliary Views

PERFORMANCE OBJECTIVES/SUPPORTING COMPETENCIES

COURSE: TECHNICAL DRAWING

RESOURCES

American Institute for Design and Drafting, 3119 Price Road, Bartlesville, OK 74003.

American National Standards Institute (ANSI), 1430 Broadway, New York, NY

