

PHPS_312

Magnified Imaging II

Assignment

Graphic Arts and Printing technology

Objective: To gain experience handling and photographing printed materials that include examples of security documents, flexography, ink jet and embossed samples that require the use of reflected light microscopy.

Purpose: This exercise will give you the opportunity to gain experience preparing samples and handling the sometimes delicate and always challenging samples from printed materials.

Assignment: Photograph 8 or the 13 the f subjects using magnifications ranging from 1:1 up to 100x at capture.

- microprinting
- metameric inks
- roller ball and gel ink writing samples
- ink jet printed
- offset lithographic printed sample
- an example of a gray scale halftone image
- flexography
- security fiber in currency if possible
- watermark in paper
- uncoated paper printing example
- coated paper printing example
- embossed printing
- lenticular or mirco-lensed printing application

Submission: One image from eight of the technologies listed above

- bar scales or other method for indicating image magnifications required