

**ADOPTED REGULATION OF THE  
STATE BOARD OF EDUCATION**

**LCB File No. R024-12**

Effective September 14, 2012

EXPLANATION – Matter in *italics* is new; matter in brackets ~~[omitted material]~~ is material to be omitted.

AUTHORITY: §§1 and 2, NRS 385.080 and 385.110.

A REGULATION relating to education; prescribing the performance standards for a course of study in graphic communications and production; repealing the course of study in graphic arts and printing; and providing other matters properly relating thereto.

**Section 1.** Chapter 389 of NAC is hereby amended by adding thereto a new section to read as follows:

*A course of study in graphic communications and production must be designed so that pupils meet the following performance standards by the completion of the final course of instruction:*

*1. For the area of graphic communications and production industry:*

*(a) Understand the importance of the history of that industry;*

*(b) Understand the concept of the workflow process;*

*(c) Understand the types of careers and the prospects for employment available in that industry;*

*(d) Demonstrate an understanding of the principles of entrepreneurship;*

*(e) Demonstrate proficiency in the standard mathematical concepts used in that industry;*

*and*

*(f) Effectively estimate all costs associated with a graphic communications and production project.*

*2. For the area of advertising and design:*

*(a) Demonstrate knowledge of copyright and intellectual property laws related to the graphic communications and production industry;*

*(b) Demonstrate knowledge of typography and its application;*

*(c) Demonstrate various techniques for page layouts using a variety of graphic communications and production applications;*

*(d) Identify and apply the elements and principles of design; and*

*(e) Understand the importance of selecting a substrate as it relates to design.*

*3. For the area of creation of a digital file:*

*(a) Demonstrate and use standard software applications of the graphic communications and production industry for design;*

*(b) Compare and contrast a variety of file formats and their uses and applications;*

*(c) Understand and use various techniques for capturing digital images;*

*(d) Understand how to create a digital image;*

*(e) Understand how to use portable document format files; and*

*(f) Use the appropriate software to preflight files.*

*4. For the area of sending digital files to output devices:*

*(a) Identify, select and operate the appropriate output device;*

*(b) Describe and apply imposition techniques;*

*(c) Perform basic maintenance on output devices; and*

*(d) Demonstrate knowledge of digital production printing.*

*5. For the area of offset press operations:*

*(a) Identify and perform offset press operations;*

*(b) Explain the functions of a lithographic plate;*

*(c) Identify and explain the basic systems of an offset press;*

*(d) Perform proper make-ready procedures;*

*(e) Differentiate between the uses of single-color and multi-color printing presses; and*

*(f) Demonstrate the proper maintenance procedures for offset presses.*

*6. For the area of screen print technology:*

*(a) Understand and demonstrate the processes of screen print technology and the production of screen prints;*

*(b) Understand frames and the processes of screen preparation;*

*(c) Select and apply the appropriate stencil system;*

*(d) Print a substrate using proper screen printing techniques; and*

*(e) Practice the proper procedures for cleanup and maintenance.*

*7. For the area of binding and finishing operations and equipment, understand the appropriate procedures for binding.*

*8. For the area of environmental health, safety and first-aid procedures:*

*(a) Identify and follow appropriate environmental health, safety and first-aid procedures;*

*(b) Demonstrate knowledge of the requirements and opportunities that are available for recycling and reusing in the community in which the pupil lives;*

*(c) Understand the laws and regulations governing the graphic communications and production industry, including, without limitation, local laws and regulations, and any rules*

*or regulations of the United States Environmental Protection Agency and the Occupational Safety and Health Administration of the United States Department of Labor;*

*(d) Demonstrate knowledge of material safety data sheets;*

*(e) Understand the emergency procedures of the classroom and the school in which the pupil is enrolled, including, without limitation, the applicable emergency plan; and*

*(f) Demonstrate the proper use of personal protective equipment.*

**Sec. 2.** NAC 389.604 is hereby repealed.

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**TEXT OF REPEALED SECTION**

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**389.604 Graphic arts and printing. (NRS 385.080, 385.110)** A course of study in graphic arts and printing must include instruction designed to teach the pupil to do the following:

1. Identify different styles of letters.
2. Operate equipment for a bindery.
3. Set up and operate an efficient darkroom.
4. Prepare a basic layout.
5. Operate a system of platemaking.
6. Operate a single and two offset presses with one or two colors.
7. Produce halftones in a variety of sizes.

**NEVADA DEPARTMENT OF EDUCATION**  
**NEVADA STATE BOARD OF EDUCATION**  
**NEVADA STATE BOARD FOR CAREER AND TECHNICAL EDUCATION**  
**LEGISLATIVE REVIEW OF ADOPTED REGULATIONS AS REQUIRED**  
**BY ADMINISTRATIVE PROCEDURES ACT, NRS 233B.066**  
**LCB File No. R024-12**  
**Regulation**

**Proposed Amendments to R024-12; Add a new section in NAC 389 for Graphic Communications and Production Standards and repeal NAC 389.604 Graphic arts and printing.**

**INFORMATIONAL STATEMENT**

The following statement is submitted for adopted amendments to Nevada Administrative Code 389:

1. A description of how public comment was solicited, a summary of public response, and explanation how other interested persons may obtain a copy of the summary.

Notice of Workshop to Solicit Comments on Proposed Regulations was sent to approximately 200 individuals and educational organizations. A workshop was held on March 23, 2012. There no was public comment

The Notice of Intent to Act Upon a Regulation for public hearing and adoption of the R024-12 Proposed changes to NAC 389.657 – Alternative method to demonstrate proficiency in writing was sent to approximately 200 individuals and educational organizations. A public hearing was conducted on June 1, 2012 to provide the opportunity for comments by affected parties and the public. There was no public comment

2. The Number of Persons Who:

a) Attended Each Hearing: First Workshop: 12; First Hearing: 22; Second Hearing: N/A  
b) Testified at Each Hearing: First Workshop: 0; First Hearing: 0; Second Hearing: N/A  
c) Submitted Written Statements: First Workshop: 0; First Hearing: 0; Second Hearing: N/A

A copy of any written comments may be obtained by contacting Karen Johansen, Administrative Assistant, Nevada Department of Education, 775-687-9225, or by writing to the Nevada Department of Education, 700 East Fifth Street, Carson City, Nevada 89701-5096.

3. A description of how comments were solicited from affected businesses, a summary of the response and an explanation how other interested parties may obtain a copy of the summary.

Comments were solicited through the workshop notice of March 23, 2012 and a public hearing notice of June 1, 2012. At the March 23, 2012 workshop to Solicit Comments, there was no public comment to the proposed regulation. At the June 1, 2012 public hearing there was no public comment to the proposed regulation.

Summary of Comments:

Workshop comments:

There were no public comments at the workshop

Public Hearing comments:

There were no public hearing comments.

A copy of the summary and/or minutes of the public hearing may be obtained by contacting Karen Johansen, Administrative Assistant, Nevada Department of Education, 775-687-9225, or by writing to the Nevada Department of Education at 700 East Fifth Street, Carson City, Nevada 89701-5096.

4. If the regulation was adopted with or without change to any part of the proposed regulation, a summary of the reasons for adopting.

The Nevada State Board of Education adopted the regulation language at the public hearing held June 1, 2012. The reason for adopting the regulation is relating to education; prescribing the performance standards for a course of study in graphic communications and production; repealing the course of study in graphic arts and printing.

5. The estimated economic effect of the adopted regulation on the business that it is to regulate and on the public. These must be stated separately and each case must include:

There is no economic effect on the public or the business it regulates.

There is no cost to the Department of education to adopt these regulations. There is no federal law affecting the proposed regulations. There is no duplication or overlap of state or local governmental agencies. The proposed regulations do not establish a new fee nor increase an existing fee of the regulating agency.

6. The estimated cost to the agency for enforcement of the adopted regulation.

There is no additional cost to the agency for enforcement of this regulation.

7. A description of any regulations of other state or governmental agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary. If the regulation overlaps or duplicates a federal regulation, the name of the regulating federal agency.

No other state or governmental agency regulations will be overlapped or duplicated by the above noted regulation. There is no duplication or overlap of federal regulations.

8. If the regulation includes provisions which are more stringent than a federal regulation, which regulates the same activity, a summary of such provisions.

There are none.

9. If the regulation provides a new fee or increases an existing fee, the total annual amount the agency expects to collect and the manner in which the money will be used.

This regulation does not provide for a new fee or increase an existing fee.