Miami Dade College

Course Description

GRA0457 | Color Electronic Scanning | 3.00 credits

This course requires Color Reproduction Technology 1 as a prerequisite. The course is an advanced approach to electronic methods to color reproduction. The student will learn state-of-the-art methodology for color printing. Prerequisite: GRA 0455.

Course Competencies

Competency 1: The student will demonstrate advanced understanding of electronic color reproduction by:

1. Analyzing the principles of color theory and its application in digital printing
2. Evaluating the impact of color profiles and color management systems
3. Comparing different digital color reproduction technologies
4. Explaining the role of calibration in achieving accurate color reproduction

Competency 2: The student will develop proficiency in state-of-the-art color printing methods by:

1. Implementing advanced color correction techniques
2. Manipulating color channels to achieve desired outcomes
3. Applying sophisticated image processing tools for color enhancement
4. Troubleshooting common issues in digital color reproduction
5. Creating high-quality color prints using industry-standard software and hardware

Competency 3: The student will apply electronic color reproduction skills through hands-on projects by:

1. Producing a series of color prints that demonstrate advanced techniques
2. Experimenting with different digital printing technologies and materials
3. Developing workflows that ensure color consistency and accuracy
4. Implementing color proofing methods to predict final print outcomes
5. Adapting color reproduction techniques for various types of media and printing requirements

Competency 4: The student will synthesize knowledge of advanced color reproduction in practical applications by:

1. Analyzing the quality and fidelity of professional color prints
2. Critiquing peer work based on technical execution and color accuracy
3. Developing a portfolio showcasing a range of advanced color reproduction projects
4. Presenting and defending color reproduction choices in a professional setting
5. Creating comprehensive guidelines for optimal color reproduction in various scenarios

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate an appreciation for aesthetics and creative activities