

# MAKR M935: SCREEN PRINTING FOR TEXTILES PRODUCTION SHOP

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**Originator**  
csadnik

**College**

Moorpark College

**Discipline (CB01A)**

MAKR - MakerSpace

**Course Number (CB01B)**

M935

**Course Title (CB02)**

Screen Printing for Textiles Production Shop

**Banner/Short Title**

Scn Prntng for Txtle Prod Shop

**Credit Type**

Noncredit

**Start Term**

Spring 2022

**Catalog Course Description**

Offers practical experience in screen printing. Covers workflows, operation of screen printing presses, and the production of projects within a team environment.

**Taxonomy of Programs (TOP) Code (CB03)**

1030.00 - \*Graphic Art and Design

**Course Credit Status (CB04)**

N (Noncredit)

**Course Transfer Status (CB05) (select one only)**

C (Not transferable)

**Course Basic Skills Status (CB08)**

N - The Course is Not a Basic Skills Course

**SAM Priority Code (CB09)**

C - Clearly Occupational

**Course Cooperative Work Experience Education Status (CB10)**

N - Is Not Part of a Cooperative Work Experience Education Program

**Course Classification Status (CB11)**

J - Workforce Preparation Enhanced Funding

**Educational Assistance Class Instruction (Approved Special Class) (CB13)**

N - The Course is Not an Approved Special Class

**Course Prior to Transfer Level (CB21)**

Y - Not Applicable

**Course Noncredit Category (CB22)**

I - Short-Term Vocational

**Funding Agency Category (CB23)**

A - Primarily Developed Using Economic Development Funds

**Course Program Status (CB24)**

1 - Program Applicable

**General Education Status (CB25)**

Y - Not Applicable

**Support Course Status (CB26)**

N - Course is not a support course

**Field trips**

Will not be required

**Grading method**

(P) Pass/No Pass Grading

**Does this course require an instructional materials fee?**

No

**Repeatable for Credit**

Yes

**Number of times a student may enroll in this course**

Unlimited

**Units and Hours**

**Carnegie Unit Override**

No

**Total in-Class (full semester or term)**

**Total Minimum Contact/In-Class Hours (for full semester or term; not weekly)**

20

**Total Maximum Contact/In-Class Hours (for full semester or term; not weekly)**

20

**Total Student Learning**

**Total Student Learning**

**Total Minimum Student Learning Hours**

20

**Total Maximum Student Learning Hours**

20

**Prerequisites**

MAKR M930

**Entrance Skills**

**Entrance Skills**

MAKR M930

**Prerequisite Course Objectives**

MAKR M930-demonstrate the ability to properly adjust the screen printing press settings

MAKR M930-demonstrate the ability to properly washout a screen after exposure

MAKR M930-demonstrate the ability to mix and modulate inks

MAKR M930-demonstrate the ability to clean and prepare screens for printing  
 MAKR M930-troubleshoot print, ink, and cure issues  
 MAKR M930-operate the conveyor dryer  
 MAKR M930-operate the flash dryer  
 MAKR M930-demonstrate the ability to print one and two screen designs  
 MAKR M930-prepare a film positive for exposure with correct registration  
 MAKR M930-troubleshoot screen exposure issues  
 MAKR M930-demonstrate the ability to use variety of squeegee techniques  
 MAKR M930-demonstrate the ability to print a design on a variety of textile materials  
 MAKR M930-demonstrate the ability to register a screen for printing with a variety of placements  
 MAKR M930-demonstrate the ability to correctly expose a screen with correct film positive registration  
 MAKR M930-demonstrate screen shop safety procedures  
 MAKR M930-demonstrate the ability to coat screens with emulsion  
 MAKR M930-demonstrate knowledge and use of screen printing vocabulary

## Requisite Justification

### Requisite Type

Prerequisite

### Requisite

MAKR M930

### Requisite Description

Course in a sequence

### Level of Scrutiny/Justification

Part of a sequence of courses in a certificate of completion or a certificate of competency (noncredit only)

## Student Learning Outcomes (CSLOs)

**Upon satisfactory completion of the course, students will be able to:**

- |   |   |
|---|---|
| 1 | demonstrate the ability to perform screen printing jobs.                |
| 2 | demonstrate communication skills within a team environment.             |
| 3 | demonstrate the ability to assess and troubleshoot production problems. |
| 4 | demonstrate production workflow skills.                                 |

## Course Objectives

**Upon satisfactory completion of the course, students will be able to:**

- |   |  |
|---|--|
| 1 | demonstrate the ability operate the screen printing press.                 |
| 2 | demonstrate the ability to clean, prepare and expose screens for printing. |
| 3 | demonstrate communication skills within a team environment.                |
| 4 | demonstrate the ability to identify and asses production problems.         |
| 5 | demonstrate the ability to troubleshoot production problems.               |
| 6 | create and execute workflows for screen printing production jobs.          |
| 7 | demonstrate the ability to operate the flash and conveyor dryers.          |
| 8 | demonstrate the ability to mix and modulate ink.                           |

## Course Content

### Lecture/Course Content

1. (10%) Production Team
  - a. communication
  - b. team work
2. (10%) Screen Printing Shop Safety

- a. flash and conveyor dryer
  - b. emulsion and ink
  - c. screen printing press safety
3. (80%) Screen Printing Production
- a. job preparation
  - b. job production
  - c. maintenance
  - d. workflows

## Methods of Evaluation

**Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):**

Problem solving exercises  
Skills demonstrations  
Written expression

**Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):**

Graphic/architectural designs  
Group projects  
Individual projects  
Journals  
Oral analysis/critiques  
Quizzes  
Skills demonstrations

## Instructional Methodology

**Specify the methods of instruction that may be employed in this course**

Collaborative group work  
Class activities  
Class discussions  
Demonstrations  
Group discussions  
Instructor-guided use of technology  
Lecture  
Observation  
Problem-solving examples  
Small group activities

**Describe specific examples of the methods the instructor will use:**

- Instructor will guide group discussions in which students will work as a team to develop workflows for screen printing production jobs.
- Instructor will assist students in trouble shooting problems with production.
- Instructor will demonstrate how to create a workflow for a screen printing production job.

## Representative Course Assignments

### Writing Assignments

- Create written workflows for production of screen printing jobs.
- Complete peer and team evaluations.

### Critical Thinking Assignments

- Identify what went wrong when presented with a screen that was not exposed correctly.
- Identify what went wrong when presented with project that was not printed or cured correctly.

### Reading Assignments

- Read and comprehend definitions of key terminology from the Screen Printing for Textiles packet provided by the instructor.
- Read from equipment manual on how to correctly adjust the off contact on the screen printing press.

**Skills Demonstrations**

- Demonstrate the ability to communicate workflow issues within a team environment.
- Demonstrate the ability to process screens through coating, exposing, washout, cleaning, and emulsion removal.
- Demonstrate the ability to operate the screen printing press.

**Outside Assignments****Textbooks and Lab Manuals****Resource Type**

Other Instructional Materials

**Description**

Instructor-generated Screen Printing for Textiles Packet containing worksheets, guided activities, key terms, and machine component diagrams.

**Resource Type**

Websites

**Description**

Ryonet Screen Printing Press Instructional Videos, <https://www.youtube.com/user/Ryonet>.

**Library Resources****Assignments requiring library resources**

Research using the Library's print and online resources.

**Example of Assignments Requiring Library Resources**

Use the library to locate reference items for graphic design principles and elements.

**Primary Minimum Qualification**

GRAPHIC ARTS

**Review and Approval Dates****Department Chair**

04/14/2021

**Dean**

04/14/2021

**Technical Review**

04/29/2021

**Curriculum Committee**

5/4/2021

**DTRW-I**

05/13/2021

**Curriculum Committee**

MM/DD/YYYY

**Board**

06/15/2021

**CCCCO**

MM/DD/YYYY

**DOE/accreditation approval date**

MM/DD/YYYY