

Printmaking II Course Information

Printmaking II

PRNT 2325, CRN 21333, Section 001

Class Hours: 8:30 am - 11:20 am Monday and Wednesday, Rooms 151 and 264 FOXA

Optional Texts: "The Complete Printmaker", Ross & Romano & Ross, Free Press, 1990

"Printmaking: A Complete Guide to Materials & Processes" Grabowski and Fick 2009

"A Printshop Handbook" by Beth Grabowski.

"Tamarind Techniques for Fine Art Lithography", M. Devon, 2009

"The Printmaking Bible: The Complete Guide to Materials and Techniques", Ann d'Arcy Hughes and Hebe Vernon-Morris, 2008

Instructor Contact Information

Instructor: Kim Bauer

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Office: 151A Fox Fine Art Center

Office Hours: Monday and Wednesday 11:20 am – 12:15 pm and by appointment

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Instructor Introduction

Kim Bauer is your instructor for this course. He holds a BFA degree from Michigan State University and an MFA from Eastern Michigan University. He has worked as a Gallery Director for the Michigan Guild of Artists and Artisans as well as the Ann Arbor Art Association and has taught courses in printmaking and drawing at Henry Ford Community College and Eastern Michigan University before accepting a position here at UTEP in 1988 where he continues to teach courses in printmaking.

Course Description

Printmaking II is a continuation of processes presented in Printmaking I with the addition of at least two multi-color prints. Personal original imagery and technical skills are further developed. This course requires a minimum of six hours in studio per week with significant time outside of class for additional preparation and printing. Strong concepts along with a personal exploration of images are necessary components to good prints. Library research and sketchbooks for both technical and conceptual development are required. The course will consist of slide and technical lectures and demonstrations along with workdays for printing and image development. Demonstrations will be held both on a scheduled and on an unscheduled basis as deemed necessary. Group critiques will be held four times during the semester. Your work and attendance are required at each critique along with your participation.

Course Prerequisite Information

Prerequisites: Printmaking 1, PRNT 2305. The introductory information on processes, materials, and technique covered in Printmaking 1 is a necessary prerequisite to prepare students for more involved print processes.

Course Goals and Objectives

The objective of this course is to broaden the basic skills presented in Printmaking 1 by the introduction of multiple color prints in the screen, relief, planographic, or intaglio methods. Students in this class will also be introduced to the vocabulary associated with each of these processes and the creation of an edition of prints and/or monoprints/monotypes within a given area. Since the creation of prints is a creative as well as technical activity, students are encouraged and expected to further develop their own imagery. It is also the objective of this course to introduce students to other artists who may provide them technical, conceptual or idea based examples. Since the discipline of printmaking is today practiced by artists who are primarily sculptors, painters, video artists etc. this variety of historical and contemporary examples will strengthen a student's understanding of the visual image makers and their underlying concepts.

Course Outcomes

At the end of the course students will possess the skills to create an edition of multiple color prints.

Specifically, students can expect;

- to be able to image, register and print a multiple color image in one or more of the following processes: relief, intaglio, screen, or planographic
- to be more skilled in the printed quality of that image
- to be able to mix and modify inks to create the necessary color relationships desired
- and to be better acquainted with the variety of historical and/or contemporary artists that create prints as well as visual artists from other disciplines that might influence students' critical decision-making processes.

Course Requirements

You are expected to bring ideas, sketchbook drawings and the necessary printmaking materials to each class.

Evaluation: You will not be graded on individual works but rather on two reviews of your semester's work.

Portfolio grades represent 80% (35% first portfolio and 45% second portfolio) of your final grade and two tests will be averaged for the remaining 20% with adjustments made for class attendance.

Tests are graded on the following formula :

A = 90 to 100%, **B**= 80 to 89%, **C**= 70 to 79%, **D** = 60 to 69%, **F** = 59% or below.

Portfolio grades will be based on:

1. Quality, effort, ambition and aesthetic judgment apparent in the prints and their presentation.
2. The quantity (or amount) of work produced.
3. Your continued effort and ambition in sketchbook idea / image development.
4. Class participation and work ethic in-class.
5. The technical skill apparent in the print and its editioning when appropriate.
6. Contributions during critiques.
7. Quality and quantity of written material when assigned.
8. The on time completion of work and in-progress work.
9. Your effort to keep the studios clean.

Course Policies

Attendance: Your regular attendance is required and roll will be taken each class period. It is important that you attend each class and bring materials to work with. Ideas discussed in lectures, demonstrations, slides, and critiques are impossible to make-up. Grades will be lowered by excessive absences. 4 absences - one grade lower (ex. A to B), 5 absences - two grades lower (A to C or B to D) and so on. Two tardies = one absence.

Incompletes, Withdrawals, Pass/Fail: Incompletes or “I” grades will be considered for students completing satisfactory or better work and having serious legitimate situations beyond their control requiring additional time to complete the course requirements. All “I” grades are at the discretion of the instructor and the approval of the Department chair.

Students hold the full responsibility for withdrawing from this course if that procedure is elected. Withdrawals must be completed on or before the final date to drop a course with a W. Students missing this deadline will be issued a grade for the performance in the course.

If you miss five or more classes you may be withdrawn from the course. Due to the hazardous and expensive nature of many of the tools and supplies, students found misusing them will be withdrawn from the course. The print rooms are not a suitable environment in which to have visiting friends, family, small children, etc. Please make every effort to keep this a safe and workable environment for all.

Materials: A list of specific required materials is available from the instructor. Materials should be brought to each appropriate class session. Class time is not to be used to buy materials.

Lab Hours

The printmaking labs will be open for enrolled student use during the times posted on the doors of rooms 151 and 264. In addition, students are welcome to work in a studio that is not being used by a class during that class time. When in doubt of availability check with the instructor. Labs will not be opened for students needing access to drawers, supplies or equipment outside of their class or lab hours.

Lab and class hours are often crowded so please be responsible with your space needs and store unnecessary tools, paper, backpacks, etc, under the tables or in your drawer to maximize work space.

- A thorough clean-up must be completed by the posted lab closing time.
- Work on all presses must stop 30 minutes prior to the posted lab closing time.
- All work on dry mount press, graining sink, acid room, exposure units, silicone slabs, washout sinks, etc. must be completed 15 minutes prior to the posted lab closing time.
- Work on computers must stop and the computers shut down 15 minutes prior to the posted lab closing time.
- Students must vacate the labs by the posted lab closing time.

Students found incapable of following these guidelines will lose their lab privileges.

Print 2 and 3 - Materials and Personal Equipment

I will supply two used Silk Screens 23" x 31". If you wish to purchase new ones you should consider aluminum frame, 230 nylon, yellow mesh. Screens may be ordered through Reece Supply Co. of El Paso, www.reecesupply.com, 1530 Goodyear Drive # J, El Paso, TX 79936, (915) 592-9600 or SilkScreeningSupplies.com or ScreenPrintersSupply.com.

Will also supply you with one 24" x 36" aluminum litho plate. This plate we will cut into several pieces for color litho. If you wish to order more plates you may do so through Takach Press. Check out: <https://shop.takachpress.com/Ball-Grained-Aluminum-Plates-12-x-18-p/3011218.htm>. A minimum of ten plates need to be ordered however you can save considerable money by ordering the smaller size plates such as 12.75" x 18".

1 - 28 oz. Ulano (Photocoat) TZ photoemulsion. You can buy the gallon online and share with others for a savings! It will need to be stored in a dark place like your locker after mixture. We have used the Speedball photoemulsion in the past - some have had good luck with it also - some have purchased this in town but found the stock was old and did not work.

Screen Ink: I will supply black, which is mixed with an extender base. You will need to buy a quart of Red, Yellow, Blue, and White plus 1 gallon of Extender Base. A 4 oz container of Golden Acrylic Medium Retarder will help your inks print smoothly without drying prematurely.

Purchase only **Speedball Permanent Acrylic Screen Ink** -Dick Blick, Jerry's Artorama, etc. **DO NOT BUY Speedball Water-Soluble Poster Ink!!!** It must be Permanent Acrylic Screen Printing Poster Ink - No Oil Base - No Vinyl Base inks! It must be Permanent Acrylic Screen Printing Poster Ink.

1 gallon of household bleach or purchase Ulano Stencil Remover #4

Other general supplies:

A variety of painting brushes always helps.

1- quart acetone , 1-quart mineral spirits, 1 - roll soft paper towels (Viva)

2 to 3 plastic/rubber/silicone spatulas for mixing ink and removal of ink from screen.

20 or more 12- 16 oz. plastic cups for mixing inks. Smooth non-grooved sides are best.

6 to 8 1 or 2 cup clear plastic bowls with lids for storage of extra mixed ink. Smooth non-grooved sides are best.

2 or more - ink knives

3 - rolls Scotch packaging tape (brown or clear).

1- tube GE Silicone or Silicon II (clear) (Lowe's or Home Depot)



On the following page is a list from the Dick Blick website as of January 8, 2019. Of course, you may purchase supplies from wherever you wish.

This list includes:

- Printing paper (Stonehenge 22x30)
- Newsprint
- Screen ink, retarder and transparent medium
- Acetate sheet and pad
- Gloves
- Markers for imaging acetate (opaque markers)
- Black Magic Ink
- Registration pins
- Adhesive spray
- Brayers
- Tape
- Photoemulsion; Ulano Fotocoat
- Ink knife

Omit items you have already. Many of you will already have the 3 1/2" soft rubber brayer from your Print 1 class and if financially feasible I would purchase another as two or more makes some things easier. You may also already have adhesive spray mount, brushes and ink knives from other classes. For lithography drawing some of use have used and may still have a 108-9 Omnichrom Lumocolor pencil we have also found that the Caran D'Ache Museum Aquarelle Pencil from Dick Blick works well.

You can save some money by using bleach instead of stencil remover (however, stencil remover works 10x quicker to remove photoemulsion). 500 sheets of newsprint may seem like a lot but it might be a better deal than buying more than one 100 sheet pad

If you order on-line check to **make sure whatever vendor you choose offers free shipping** on larger orders - **shipping will be too expensive otherwise** - be sure to check the specials and volume discounts if you shop on-line!

Course Materials Course Settings

Make any changes to the course materials below, then click the **Save** button.
 To add items to your cart, enter a quantity for each item in the **Buy** column and then click the **Add to Cart** button.

		> save		X remove all	
Item ID	Item Description	Price	Priority	Qty	Buy
19994-2021	Uni-Posca Paint Marker - Black, Bullet Tip, 1.5 mm ✓ In Stock	\$3.48	Required	1	0
19994-2027	Uni-Posca Paint Marker - Black, Bullet Tip, 0.7 mm ✓ In Stock	\$2.79	Required	1	0
43217-1019	Extender Base 1 Gallon ✓ In Stock	\$35.44	Required	1	0
00628-0004	Golden Acrylic Retarder - 4 oz bottle ✓ In Stock	\$6.65	Required	1	0
43217-5137	Speedball Permanent Acrylic Screen Printing Poster Ink - Ultra Blue, Quart ✓ In Stock	\$21.40	Required	1	0
43217-4027	Speedball Permanent Acrylic Screen Printing Poster Ink - Medium Yellow, Quart ✓ In Stock	\$21.40	Required	1	0
43217-3717	Speedball Permanent Acrylic Screen Printing Poster Ink - Medium Red, Quart ✓ In Stock	\$21.40	Required	1	0
38023-1025	Ternes-Burton Register Pins - 1/4" x 0.055", Pkg of 2 ✓ In Stock	\$9.99	Required	1	0
23929-1001	Krylon Spray Adhesive - Low Odor ✗ Out of Stock, backordered with an indefinite expected date	\$6.19	Required	1	0
35200-1120	Glove Pack - X-Large, Nitrile, Powder-Free, Pkg of 100 ✓ In Stock	\$12.35	Required	1	0
43217-1017	Speedball Permanent Acrylic Screen Printing Poster Ink - White, Quart ✓ In Stock	\$21.40	Required	1	0
43307-1007	Ulano Fotocoat TZ Diazo Screen Printing Emulsion - 28 oz ✓ In Stock	\$36.25	Required	1	0
43310-1007	Ulano Stencil Remover No. 4 - Quart ✓ In Stock	\$15.99	Required	1	0
21103-2003	Higgins Black Magic Drawing Ink - 1 oz ✓ In Stock	\$3.92	Required	1	0
55506-1105	Grafix Dura-Lar Clear Acetate Alternative - 11" x 14" x .005", Pad, 25 Sheets ✓ In Stock	\$17.32	Required	1	0
23055-0000	Scotch Super Strength Packaging Tape - 2" x 800" ✓ In Stock	\$2.79	Required	2	0
10204-1009	Blick All Purpose Newsprints - 18" x 24", White, 500 Sheets ✓ In Stock	\$17.19	Required	1	0
10423-1002	Stonehenge Paper - 22" x 30", White 90 lb ✓ In Stock	\$2.99	Required	12	0
10423-1372	Stonehenge Paper - 22" x 30", Natural, 90 lb ✓ In Stock	\$2.99	Required	12	0
55501-1100	Grafix Clear Acetate - 25" x 40" x .010", Single Sheet ✓ In Stock	\$8.33	Required	1	0
40104-1035	3.5IN ✓ In Stock	\$11.79	Required	1	0
22451-2011	Caran D'Ache Museum Aquarelle Pencil - Black ✓ In Stock	\$4.39	Required	1	0

> save **X remove all**

Printmaking Studio Safety Information

In case of an emergency call the Campus Police at 747-5611 or dial 911

Due to the nature of the processes involved in this course you will come in contact with several potentially harmful substances and equipment. Before working in the print studios you should be familiar with the possible hazards and take precautionary measures to avoid injury. Avoid eating or drinking when in either of the print rooms as this makes it easier for you to ingest unhealthy materials.

If any equipment appears to be broken or functioning improperly do not use it and report it to the instructor as soon as possible. Put a sign on the damaged equipment warning others.

Do not use equipment you have not been trained to use properly.

Be proactive regarding your health.

- **Wear Protective Gloves:** when using any powder, liquid, solvent or ink other than pure water.
- **Wear Protective Eyewear:** when dealing with any chemical liquids, solvents or acids that may splash into your eyes.
- **Wear A Dust Mask:** when working with dusts, powders or when sanding metals.
- **Wear a Respirator:** when working with acids

FOOD or DRINK - chemicals are always present in the air or on the work surfaces in these rooms. It is unsafe to consume any type of food or drink in the printmaking rooms.



VISITORS - This is not a healthy or safe environment in which to have small children or visitors. Please do not leave them unattended during their brief visit to the printmaking rooms.

Below is a partial list of harmful materials and equipment specific to the printmaking processes. Please be alert and above all use common sense with all materials and equipment.

ACIDS - Acid baths for etching are mixed with acid and water. Avoid getting acids on your skin or clothing- wear protective goggles and gloves. Should acid get in the eyes use the water safety eye rinse in the acid room and seek medical attention. The safety shower should be used if you get acid spilled on your body and again seek medical attention. Avoid breathing the acid vapors and make sure the two ventilation fans are running when entering the acid room. The acid baths are labeled according to the type of metal to be etched in them. Dutch Mordant (hydrochloric acid and potassium chlorate crystals) is for etching copper. Nitric acid is for etching zinc. Never mix or attempt to refill or transfer these acids yourself, always ask the instructor or the studio assistant. Acids should always remain covered except for lowering and removing your etching plate. The windows, which lower in front of the vats, should be kept closed to better assist the ventilation system in removing harmful fumes. Avoid breathing the vapors of any acid or fumes produced from etching.

In lithography, full strength nitric and phosphoric acids are used to etch stones and aluminum plates. These acids are kept in glass bottles secured within a wooden box and should not be moved. Always wear protective goggles and gloves when handling these acids. Acid should be removed from these bottles only with an eyedropper and any excess acid should be placed back into the appropriate bottle. TAPEM is also used in

lithography as an aluminum plate etch and contains small amounts of phosphoric and tannic acids. Any full strength acid that comes in contact with your body or clothing should be flushed immediately and repeatedly with water and seek medical attention.

ELECTRIC HOT PLATES - The hot plates in the etching room should be used only for the heating of etching plates. The temperature on the electric hot plate should never exceed 225 degrees. Flammable materials and solvents should not be used near the hot plates and paper that is placed on these hot plates must be removed promptly to prevent fire. Hot plates should be turned off after use.

PRESSES - All presses; etching, lithography, letterpress, bookbinding, are dangerous and should only be used if you have been instructed how to properly operate the equipment. Long hair or loose clothing should be tied back to avoid being caught in the rollers or gears. Hands should be kept clear of the presses and their beds while moving, the only hand needed on the press is the one to turn the crank. Excessive pressure on any of the presses is unnecessary and will cause them to crank hard and create a dangerous situation. Maximum pressure will not make a better print!!!! The etching presses have calibrated sets on either side and should be adjusted to the type of printing matrix and felts you are using. Never force a plate or stone through the presses, if the tension feels too tight reverse the crank and readjust the tension. A material or object other than those the press has been designed for should never be passed through the press.

ROSIN - Powdered rosin is used in etching and lithography. The dust from this rosin can be harmful to the lungs. When using powdered rosin do so in a well ventilated area and use a respirator if necessary.

TALC - Powdered talc is used in lithography and needs the same precautions as rosin.

SOLVENTS - Kerosene, lacquer thinner, lithotine, naphtha, denatured alcohol, turpentine, etc. should all be used with moderation and with rubber gloves and the appropriate ventilation. Use these chemical solvents only in the vented hood area in room 151B to prevent fumes from entering the common work area. To clean inks or plates in the other rooms the use of vegetable oil and or an orange-based spray cleaner is highly recommended. Keep solvents away from hot plates and avoid breathing vapors. To minimize the use of solvents it is strongly advised that all students clean oil based ink slabs initially with a razor blade or scraper to remove all excess ink. Then only a small amount of solvent or orange cleaner will be necessary to remove the remaining ink film.

LITHOGRAPHY STONES - The lithography stones are extremely heavy. Please only carry what you can lift and transport comfortably. Never carry a wet litho stone or attempt to move a stone with wet hands. The blue hydraulic transport table is available in room 264 to assist you in transporting these stones.

PIGMENTS & INKS - Lithography, screen, relief and etching inks along with the powdered pigments to make etching ink should be kept off the skin as much as possible. Avoid breathing the dust of the powdered pigment. When mixing your own ink or using any powdered pigment a respirator is recommended. Avoid excessively breathing the vapors of any oil based ink or ink modifier.

PHOTOGRAPHIC EMULSIONS & CHEMICALS - All photographic sensitive screen printing emulsions contain dichromates, which are dangerous and should only be used with protective gloves. All traditional photography chemicals, including developer, stop bath, fix, toner and bleach should not be allowed to come in contact with the skin and should only be used in the approved areas and with the necessary precautions. Large vats of photographic chemicals pose vapor risks and should only be use with adequate ventilation. Avoid excessively breathing the vapors of any photographic chemical.

**In case of an emergency call the
Campus Police at 747-5611 or dial 911**

University Policies

PLAGIARISM/ACADEMIC DISHONESTY STATEMENT

Cheating/Plagiarism: Cheating is unethical and not acceptable. Plagiarism is using information or original wording in a paper without giving credit to the source of that information or wording: it is also not acceptable. Do not submit work under your name that you did not do yourself. You may not submit work for this class that you did for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to <http://www.utep.edu/dos/acadintg.htm> for further information.

DISABILITIES STATEMENT

Disabilities: I will make any reasonable accommodations for students with limitations due to disabilities, including learning disabilities. Please see me personally before or after class in the first two weeks or make an appointment, to discuss any special needs you might have. If you have a documented disability and require specific accommodations, you will need to contact the Disabled Student Services Office in the East Union Bldg., Room 106 within the first two weeks of classes. The Disabled Student Services Office can also be reached in the following ways:

Web: <http://www.utep.edu/dsso>
Phone: (915) 747-5148 voice or TTY
Fax: (915) 747-8712
E-Mail: dss@utep.edu

Printmaking 2 and 3

Monday and Wednesday 8:30 - 11:20 Course Calendar Spring 2019

Course schedule is subject to change. Class days are devoted to studio work, lectures, and/or demos unless noted otherwise. Due dates for assigned work, in-progress work and additional critiques may be added to the calendar.

January

W - 23 - first day of class

M - 28 - class

W - 30 - class

February

M - 4 - class

W - 6- class

M - 11 - class

W - 13 - class

M - 18 -class

W - 20 - class

M - 25 - class

W - 27- class

March

M - 4 – First test: 8:30 am room 151 – work day after test

No Class Wednesday, March 6.

March 6 -9; Southern Graphics Conference, Dallas, Texas

M - 11 - class

W - 13 – First Portfolio due 8:30 am

March 18 - 22 Spring Break

M - 25 - class

W - 27 - class

April

M - 1 - class

W - 3 - class

M - 8 - class

W - 10 - class

M - 15- class

W - 17- class

M - 22 - class

W - 24 – class

M - 29- class

May

W - 1- Second test 8:30 am room 264 - work day after test

M - 6 - class

W - 8 - Final portfolio due / critique 8:30 am

Clean-Up Day: Wednesday, May 15

Show up sometime between 10:00 am to 2:00 pm

Tests and portfolio returned at this time.

Clean out print drawers and hallway lockers on this day.