



WAUKESHA
COUNTY TECHNICAL
COLLEGE

Macro Photography

203 600D 001 CRN: 21101

COURSE SYLLABUS

Instructor: David L. Denemark	Office phone: 262-370-6200 home
Email: ddenemark@wctc.edu	Office hours & location: 8-10AM-home
Class Meets: 2-1 to 3-8-2017 Wednesdays for 6 weeks, 1:00pm - 3:50pm, 18 hours total	Class Location: Pewaukee Campus Room G-149

Course Description:

This course draws the photographer into the detail that appears when the camera is brought in close to a subject. Flowers become landscapes of color, a butterfly's wing fills the frame like a wind sail, the face of a miniature figurine becomes a life size portrait. This course will give the photographer an opportunity to learn the skills of focus, lighting, and composition to turn the simplest, smallest object into a photographic work of art. Opportunity will also be given to explore how to use photo editing software to enhance macro images, as well as how to turn your macro images into posters, note cards, and framed gifts. This course will include in-class photography time, as well as two field trips.

Suggested reading but not required: Available on line and possibly at your local bookstore.

Understanding Close-up Photography: Creative Close Encounters with or without a Macro Lens (Paperback) Bryan Peterson (Author)

Digital Macro Photography (Paperback) Ross Hoddinott (Author)

GO TO MY WEB

For PDF files of class work

http://www.daviddenenmarkphotography.com/WCTC_PHOTO_CLASSES.html

Suggested Equipment:

1. Any digital or film camera, with a wide to telephoto zoom lens **and a sturdy tripod.**

2. A lens that zooms to 250 mm w/macro focus is preferred. Screw-on close up lens attachments etc. or a 55-100 mm macro focus lens will give you the best results. I like to use a long lens (200mm-450mm) with macro focusing ability.
3. A computer at home to download and organize photos for class
4. Mini USB zip/thumb drive to bring your images to class for discussion.
6. High-intensity, LED flashlight or strobe for light painting (optional).

Course Competencies:

Upon completion of this course the student should be able to:

1. Analyze and determine which is the best angle or position to photograph a subject in relation to background and depth of focus.
2. How to prepare the right camera equipment and accessories to prevent problems in the field, or when on location.
3. Understand and know how to take time exposures while using the tripod to gain greater depth of field (focus).
4. Overcome the limitations of auto focus and “digital lag” when objects are moving in the frame.
5. Recognize what obstacles to avoid and how to stay in a safe shooting area while shooting close-ups with a tripod.
6. Make adjustments to the camera to create better indoor macro photos with mixed existing light.
7. Know when and how to use a strobe for fill in flash and how to aim a pocket strobe properly for close ups.
8. Use advanced camera features such as custom white balance and exposure bracketing. Focus stacking.
9. Use tips and tricks discussed to get those great macro postcard style photos of flowers, insects, small objects and animals etc.

Critical Life Skills:

- **Citizenship:** Demonstrate local and global awareness, social responsibility, and effective engagement with diverse populations
- **Communication:** Communicate effectively in personal, academic, and professional interactions using appropriate modalities.
- **Critical Thinking:** Evaluate pertinent information to reach an informed conclusion.
- **Problem Solving:** Solve personal, academic and professional problems using disciplinary concepts and frameworks.
- **Relationship:** Cultivate civil relationships to be effective in personal, academic and professional life.
- **Self-Management:** Apply methods of continuous personal, academic and professional improvement.

Course Requirements:

It is extremely important to attend every class; it will weigh heavily toward your final grade.

Students are expected to be on time to every class and to come prepared with all needed materials and homework completed. Each student is expected to keep a 3-ring binder in order to keep all handouts, quizzes, exams and homework organized. Students should make arrangements to get any missed assignments.

Students must complete the assigned reading and homework prior to arrival at class. Lectures will serve only to clarify, selectively highlight, and supplement the assignments. Students will be expected to participate in class discussions.

Each student will be required to successfully complete all assignments. Students will be required to have and use appropriate personal protective equipment as required.

Grading Criteria: CEU credits uses Pass/Fail

Policies

WCTC Student Code of Conduct Statement:

WCTC, as a community dedicated to learning, personal growth and the advancement of knowledge, expects and requires the behavior of all of its students to be compatible with its high standards of scholarship and conduct. All individuals and/or groups of the WCTC community are expected to speak and act with respect for the human dignity of others, both within the classroom and outside it, in social and recreational as well as academic activities. The WCTC Code of Conduct and Academic Ethics Code further outline the rights and responsibilities of students. For more information, those documents can be found at: www.wctc.edu/conduct.

WCTC Title IX Statement:

WCTC prohibits all forms of discrimination, harassment, intimidation, and coercion – including sexual harassment, assault, and other forms of sexual misconduct. If you have been the victim of, witnessed, or been made aware of an incident of discrimination/harassment (including sexual misconduct), campus support resources exist – and reporting is strongly encouraged. Students should be aware that WCTC staff, faculty, and administrators have a duty to report such incidents. For the safety of our campus community, we encourage students to do the same; if you see something – say something. The College's Title IX Coordinator, the Vice President of Student Services, can be reached at 262-691-5240. For more information, including links to community and confidential resources, visit www.wctc.edu/sexual-misconduct.

Attendance and Tardiness:

WCTC tardiness and attendance policies will be in effect. Students who leave class without authorization prior to dismissal are considered absent for the entire class. If you know that you are going to be absent from class, **call your instructor** as far in advance as possible. This will inform the instructor so appropriate arrangements can be made to provide any class materials and/or handouts that were given out. If the student calls in, and only has one absence for the semester, no grade deduction will be given.

A student will have failed the course after the equivalent of three-week absences (for example: a 2 credit course meeting once a week three absences will result in failure, for a 2 credit course meeting twice a week, 6 absences). Department policy is that students maintain 80% class attendance, and a student missing three classes in the first two weeks will be withdrawn from the class. Exception to this policy may be granted for one documented excused absence. A medical excuse and prior instructor approval may qualify for this exception. Students will be required to make up any work missed and will perform additional assignments as deemed necessary by the instructor.

It is the student's responsibility to find out from class members any work, lecture or notes missed.

Breaks will be determined by the instructor. All students will break at the same time. During breaks, students may not leave the classroom or lab without instructor permission.

Academic Honesty:

Students assume full responsibility for the content and integrity of all coursework they submit. This means that any work you hand in as your own represents work you developed. Violations of the academic code of conduct include, but are not limited to: cheating, plagiarism and collusion.

Personal Protective Equipment:

Personal Protective Equipment (PPE) is required and must be worn in any classroom, laboratory or shop where hazardous work is being performed. Examples of PPE include eye and face protection, head protection, hand protection, foot protection, hearing protection and respiratory protection. Your instructor will specify what PPE is required.

Computer/Lab:

WCTC's computer labs are to be used only for WCTC course-related work (including internet). Remote Desktop will be used during lab times to monitor student computer activity. Students who are reading e-mail, surfing, or working on projects for other classes may be asked to leave the lab. No food or beverages are allowed in any of the lab complexes.

Cell Phones/Electronic Devices:

Use of electronic devices will not be allowed unless there is an emergency situation. In that case, notify your instructor at the start of class.

Student Accommodations:

For academic accommodations, the student must approach the instructor to ask for the accommodation (after verification has been provided). If the student requests an accommodation card, a written classroom accommodation request will be provided for the student. The accommodation card will list the accommodation. Contact Special Service Coordinator at (262) 691-5210 or the Counselor for Students with Disabilities at (262) 691-5277 if you have any questions or need an accommodation card.

NOTE: For detailed information on all of WCTC's student policies, consult the student handbook, which can be found online at: <http://www.wctc.edu/books/student-policies/>

Acceptance of Responsibility for products and materials: (if applicable); separate document at end

Important WCTC Phone Numbers:

School closing:	262-691-5239
Campus Security:	262-691-5582
Pewaukee Police Department	262-691-5678

Class Assignment Schedule**WEEK 1****Class Overview:**

Introduction and Orientation to the course competencies.

Lab Activities: Introduction to basic camera equipment used by professionals. Show samples of good close focus macro photos.

Project Assignment: Bring to class two or three samples of photos that were taken with your close up lens and your current camera. We will discuss what works or how to improve what doesn't. Bring to class, personal camera equipment to evaluate for capabilities both Due by session 2

WEEK 2

Working with the equipment you own. What makes a tripod good and how to use it right Depth of field, Focus, Composition and Cropping. Review and discuss photo samples brought in by students.

Lab Activities: Examine each student's camera equipment and discuss what is possible to capture with it. Have students experiment with camera options, practice methods for take close-up photos in class. How to *light paint* with pocket strobes and reflectors on a macro photoset with a background.

Project Assignment: Spend time photographing objects up close in different lighting conditions outside. Do this when the light is at its brightest. Use white reflector cards to add fill light. Shoot wide-angle close-up and telephoto views. Improve your approach to the subject angle and overcome the limitations of your equipment. Try many angles and get in as close as you can. Use your tripod for most shots and some without it. Save **3** of your images for discussion.

WEEK 3

FIELD TRIP DAY 1:30 pm - 3:30PM- THE DOMES

Meet in the lobby of the Domes at 1:30 pm. You must get there on your own or by carpooling and pay any fees. Free parking nearby.

Project Assignment for session 5: Take SIX – NINE best images shot on location and crop, cut, arrange and paste them to a piece of poster board or in a photo editing program or make a digital print or PDF file for review. Make an interesting photo collage. Try to show your intended audience a photo layout that will effectively communicate your style and ideas and the field trip experience. **Bring your creation to Session 4, we will critique and discuss.**

WEEK4

In class critique of collages and discuss and review results of photo project from field trip. Any round up questions.

Set up for next Field Trip, instructions.

WEEK 5 Milwaukee Public Museums

Field Trip

Milwaukee Public Museum, Butterfly Area and the revised Streets of Milwaukee exhibit plus other areas of your choice. Meet in lobby at 1:30 pm. You must get there on your own or by carpooling and pay any fees for admission and parking. Meet at designated location and receive assignment for the session.

Project Assignment for session 6: Take SIX – NINE best images shot on location and crop, cut, arrange and paste them to a piece of poster board or in a photo editing program or make a digital print or PDF file for review. Make an interesting photo collage. Try to show your intended audience a photo layout that will effectively communicate your style and ideas and the field trip experience. **Bring your creation to Session 5, we will critique and discuss.**

WEEK 6 (final class)

Short course wrap up, critique of collages and discuss and review results of photo project.

Lab Activities: Opportunity for final questions regarding specific photo challenges. Student Photography Exercises your final project and will be graded.

Students will participate in the field trip experience or may elect to photograph a location of their choosing at any time during the class schedule. The idea is to accomplish the assignment requirements. The main objective is to get at least few close-up or macro views on film or chip. Student images/collage will be discussed in session 5, bring prints or digital files to final session in collage format if possible.

NOTE: This schedule is **preliminary** to give you an idea of what the course objectives and requirements are. The instructor reserves the right to adjust this schedule as the semester progresses; changes will be talked about in class and posted on Blackboard.



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