



## m19 : Macro Photo

### overview

Students will compose and shoot a macro photo and increase the size of the object by 5 times.

Students will continue to refine their knowledge of the *Principles & Elements* of design in the overall composition of their photo.

### focus

*Macro photography is photography magnified. It is generally recognized as "macro" when you are increasing the size of an object in your picture from about half life-size, as represented on the image sensor, to five times life-size.* (source: National Geographic)

(Remember, three things control exposure; the amount of light the camera allows in (*f/stop*), the length of time the light is allowed into the camera (*shutter speed*), and the film's sensitivity to light (*iso/film speed*).

### process

Students will show their best photo roughs (contact sheet-100 images) during class for peer and instructor feedback.

Pay close attention to the details of your subject and overall composition. Do not forget about light and the different values it creates, contrast and textures.

### specifications

- » Content is left at the discretion of the student.
- » Students will shoot all their photos using manual settings and using a digital SLR.
- » Film speed will be set to no more than 200 iso; slower film for the most detail (for subject/object).
- » Dynamic placement within the frame. Avoid equal division of horizontal, vertical and diagonal space—it is called "dead center" for a reason.
- » Students will demonstrate media literacy with the required construction and output of their digital files; correctly converting your color image to a digital black and white.

### size & color

- » Landscape or Portrait
- » Black & White, or color print; mounted with photo label printed and attached to the back.
- » Flush mount (no border/margin) with tracing paper cover.
- » One 4" x 6" original (either on top-landscape; or on left-portrait) and one *Macro* of same subject/object.
- » Final print will be 8" x 6" (two 4" x 6"), with a digital aspect ratio of 3:2
- » Pixelated images will automatically drop one letter grade (10%)

### resource link

How to Take Macro Photographs, National Geographic  
<http://photography.nationalgeographic.com/photography/photo-tips/macro-photo-tips/>



Aperture: f/1.8



Aperture: f/22

Aperture diagrams:  
 shot with an iPhone 4  
 by D.Overstreet

### Print Proportions

- 2:3 (4x6)
- 4:5 (8x10)
- 5:7 (5x7)

### Compact Digital

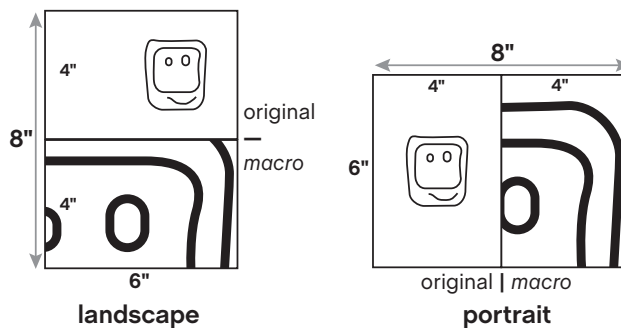
#### Camera Proportions

4:3

### Digital SLR

#### Camera Proportions

3:2 (12x8)



NOTE: This assignment, specifications, gallery and its accompanying weekly schedule are subject to change according to the pedagogical objectives of the class as determined by the instructor.



due date:

Name:

Class **M · T · W · R · F** ampm



## m19 : Macro Photo evaluation sheet

grade scale & percent 30 pts / 100%

>A	A-	B+	<b>B</b>	B-	C+	<b>C</b>	C-	D+	<b>D</b>	D-	<F
96%	90	87	<b>84</b>	80	77	<b>74</b>	70	67	<b>64</b>	60	<59%

					<b>concept / content</b> 10% / 3 pts
2.9	2.5	2.2	1.9	1.8	<b>Creativity:</b> Student's idea (concept) as a whole, the IDEA or invention. Is it an original approach or borrowed (visually derivative). Clear visual and verbal (and /or written) articulated idea/meaning by student.
					<b>effectiveness of communication</b> 25% / 7.5 pts
2.9	2.5	2.2	1.9	1.8	10% / 3 pts = <b>Critique:</b> verbal participation in classmates evaluation and presentation of individual's work, articulate use of vocabulary. This includes craftsmanship and physical presentation of photo; (non-verbal communication) professional, clean cut edges, mounted square, etc.
4.3	3.8	3.3	2.9	2.7	15% / 4.5 pts = <b>Visual Communication:</b> Complexity and quality of images created by student for the project. Students successfully increased the size of the object <b>5x</b> in their final image.
					<b>visuals / imagery</b> 40% / 2 x 6 pts
5.8	5.0	4.4	3.8	3.5	20% / 6 pts = <b>Exposure:</b> Appropriate and successful use of <i>iso</i> , <i>aperture</i> and <i>shutter speed</i> . Balance of lights and darks; full range of values including mid tones (range of greys), details in lights and darks.
5.8	5.0	4.4	3.8	3.5	20% / 6 pts = <b>Composition:</b> Shows strong use of elements and principles to enhance subject. Consideration of frame and edges, which includes foreground, middle ground and background. Dynamic placement within the frame. Avoid equal division of horizontal, vertical and diagonal space—it is called "dead center" for a reason. Visually successful overall composition of the layout.
					<b>technical / digital literacy</b> 15% / 4.5 pts
4.3	3.8	3.3	2.9	2.7	<b>Media Literacy:</b> Students will demonstrate media literacy with the required construction and output of their digital files. Shows understanding and quality of process; correct output and processes. This is specific to each medium; digital file construction and printing.
					<b>minimum requirements / specifications</b> 10% / 3 pts
	+3	<input type="checkbox"/>	+1.5	<input type="checkbox"/>	<b>Physical &amp; Craft:</b> correct print size, number of colors, cover sheet, name tag, mounting requirements, etc. Student has met all the minimum requirements. This includes and is not limited to <i>NAMING YOUR DIGITAL FILE CORRECTLY</i> .
			-3	<input type="checkbox"/>	Pixelated images: -10%
			-3	<input type="checkbox"/>	Distorted type: -10%
			-3	<input type="checkbox"/>	Late: -10% (Excused)
			-7.5	<input type="checkbox"/>	Late: -25% (Unexcused)
				<input type="checkbox"/>	Incomplete; does not meet minimum requirements

Letter Grade	Definition
<b>A</b>	Student work demonstrates consistently excellent scholastic performance; thorough comprehension; ability to correlate the material with other ideas, to communicate and to deal effectively with course concepts and new material; exceptional reliability in attendance and attention to assignments.
<b>B</b>	Student work demonstrates superior scholastic performance overall, above average knowledge of subject matter, and attention to assignments; may demonstrate excellence but be less consistent than the work of an A student.
<b>C</b>	Student work demonstrates satisfactory performance overall, as well as reliable knowledge of subject matter, and attention to assignments. All minimum assignment requirements have been met by the student.
<b>D</b>	Student work demonstrates minimal, barely passing performance and comprehension overall; limited knowledge of subject matter.
<b>F</b>	Student work demonstrates unsatisfactory performance and comprehension or unfulfilled requirements. The grade is failing. (Often times this student will miss many class sessions.)