

# Lesson Plan for Developing Module

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**Course Name:** Adobe Photoshop Lightroom 4 **Date:** \_\_\_\_\_

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**Lesson Topic:** Develop Module (lesson 3 of 5)


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**Administration:** Computers are up and running and Lightroom 4 is installed. All files are placed on the desktop or a folder in the computer or shared drive.

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Activity	Material	Time
<p><b>Introduction</b> This course is offered to photographers or anyone that have an interest in developing photos in a digital environment. It is understood that the audience would have an understanding of basic photography skills, and use a personal computer.</p> <p><b>What is Lightroom?</b></p> <p>Adobe Lightroom is a photography software program developed by Adobe for Mac OS X and Microsoft Windows, designed to assist users in managing large quantities of digital images and doing post production work. Lightroom combines photo management and editing in one interface. (Source: Wikipedia <a href="http://en.wikipedia.org/wiki/Adobe_Lightroom">http://en.wikipedia.org/wiki/Adobe_Lightroom</a>).</p> <p>This lesson (Lightroom 4, Develop module) is part 3 of a 5 lesson course.</p> <p>Why did I decide to skip the first two modules and do my practicum on this particular module?</p> <p>I find this module the most interesting piece of the software, and in my personal experience the biggest reason why I use Lightroom. Don't get me wrong, there are other great options in Lightroom, but the develop module allows you to do a simple fix (i.e. such as fixing an under exposed photo), or complex fixes (such as making the sky bluer, fixing face blemishes, etc.). Also, for non-photographers, this module is the most interesting... it will give you an understanding in how some photographs look so perfect in today's age.</p>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slide 2)</p>	<p><b>2 minutes</b></p>

Activity	Material	Time
<p>Keep in mind that this class would be offered in a lab with computers so all students would have their own computer. Because we don't have access to computers with the software, for the exercise I will be developing a photo with your help.</p> <p>We will be doing the following in this lesson. Reviewing the last lesson, going over what we will be learning in today's lesson, then there will be a demonstration, you will be doing exercises and we a summary. Before we get started, are there any questions?</p> <p>We will be doing the following in this lesson. Reviewing the last lesson, going over what we will be learning in today's lesson, then there will be a demonstration, you will be doing exercises and then a quick summary of what was taught.</p>		
<p><b>Review of Library Module</b></p> <p><b>Catalogue and Folders</b> In Lightroom you can access your photos in the catalogue or browse for photos stored in your computer.</p> <p><b>Publish Services</b> You can also publish your photos to your computer or on-line services, such as Facebook, Flickr, etc.</p> <p><b>Rating your photos</b> In this module you can also rate your photos. Rating your photos will help you pick your best photos so you filter them in the developing stage.</p> <p><b>Quick develop</b> You can also use quick develop, which has allows you to choose pre-sets, change white balance and tone control.</p>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slide 3)</p>	<p><b>3 minutes</b></p>
<p><b>Develop Module Overview</b></p> <p>In this lesson we will cover the following</p> <ul style="list-style-type: none"> <li>• Crop and straighten photos</li> <li>• Develop photos using basic settings</li> <li>• Add Hue, saturation and luminance</li> <li>• Sharpen and reduce the noise in photos</li> <li>• Apply lens correction</li> </ul>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slides 4 &amp; 5)</p> <p><b>Handouts:</b> /Handouts/Develping_module_handout.pdf /Handouts/Dev_Keyboard_Shortcut.pdf</p>	<p><b>2 minutes</b></p>

Activity	Material	Time
<ul style="list-style-type: none"> <li>• Add post-crop vignette and grain</li> <li>• Use spot removal, red eye reduction, gradient mask and adjustment brush tools</li> </ul> <p>Move to slide 4 for “grabber” and distribute handout.</p>		
<p><b>Presentation – Lecture and Demonstrations</b></p> <p><b>Left panel</b></p> <p><b>Navigator</b> Thumbnail version of the active or selected image.</p> <p><b>Pre-sets</b> Provide a way to save a group of settings and apply them to photos. There are Lightroom 4 pre-sets and user can also add pre-sets.</p> <p><b>Snapshots</b> During the developing stage, snapshots allow the user to save any stage of a photo.</p> <p><b>History</b> Shows the history of the photo develop steps.</p> <p><b>Collections</b> Used to create a collection of photos.</p>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slides 6)</p> <p><b>Demonstration in Lightroom 4</b></p> <p>Begin with all panels collapsed and expand when demonstrated.</p>	<p><b>10 minutes</b></p>
<p><b>Right Panel</b></p> <p><i>Explain that when working in Lightroom, we are working in a non-destructive manner, meaning the photos themselves are not modified.</i></p> <p><b>Crop and straighten tool</b> Explain how the tool works, including the aspect ratio of photos for cropping. Example for changing the aspect ratio of the straighten tool, mention how to use it and give the example of using it to straighten the horizon on a photo.</p>	<p><b>File:</b> IMG_1572.cr2</p> 	
<p><b>Basic development settings</b> The treatment is the choice between color and black and white. White balance settings. Demonstrate the pre-sets, the eye dropper tool on a neutral colour and how to manually adjust the temperature or tint. Caution that if the monitor is not properly calibrated, it could have a negative</p>	<p><b>File:</b> Same as previous</p>	

Activity	Material	Time
<p>impact on the white balance. Use same photo as above to demonstrate.</p> <p><b>Tone settings</b> Auto for tone settings. Mention about clipping and using the clipping tool to figure out if image detail is being lost. Adjust image using the highlights, shadows, whites and blacks.</p>		
<p><b>Presence</b> Talk about clarity, vibrance and saturation. Caution when using these settings for people. Clarity might add unwanted results on faces.</p>	<p><b>File:</b> Same as previous</p>	
<p><b>Tone curve</b> Tone curve is used to tweak adjustments made in the basic develop settings. Does not have to be demonstrated because it's an option that is not frequently used.</p> <p><b>HSL/Color/B&amp;W</b> This panel is used when individual colours ranges need to be adjusted. Demonstrate saturation selection tool and B&amp;W.</p> <p><b>Split toning</b> Used to change range in colors. Will not be demonstrated, since it's an option that is not frequently used.</p> <p><b>Gradient filter and adjustment brush</b> Use Gradient filter for sky and adjustment brush to make trees greener.</p>	<p><b>File:</b> IMG_4658.cr2</p> 	
<p><b>Detail Sharpening and Noise Reduction</b> It is recommended that the photo be at least 100% zoom for preview. Used to sharpen photos.</p> <p>Noise reduction is used to remove noise from photos taken at high ISOs.</p>	<p><b>File:</b> IMG_1301.cr2</p> 	
<p><b>Lens correction</b> Used to correct lens defects. Lightroom has built in lens correction that will correct a photograph using pre-sets from any particular lens.</p>	<p><b>File:</b> Same as previous</p>	

<b>Activity</b>	<b>Material</b>	<b>Time</b>
Demonstrate how to fix chromatic aberration and manual fixing manual lens adjustments.		
<p><b>Effects</b> Add vignette and grain to photos.</p> <p><b>Spot Removal and red eye</b> Find face picture with red eye.</p> <p><b>Camera calibration will not be demonstrated.</b></p>	<b>File:</b> Same as previous	
<p><b>Exercise</b></p> <p>Using the photos provided on the shared drive, students will use their prior knowledge and import the photos into their Lightroom catalogue. They will then develop the photos to their own liking used the Lightroom 4 Develop module.</p> <p>Students will be encouraged to bring their own photos for the exercise as well.</p> <p>Instructor will answer questions and help students during the exercise.</p>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slides 7)</p> <p><b>Files:</b></p> <p>Student will also be able to bring their own files for their exercise.</p>	<b>10 minutes</b>
<p><b>Summary</b></p> <p>Reflection on learning for this lesson.</p> <p>What does the develop module allow us to do?</p> <p>Next lesson we will learn how to export our photos to other formats, create books and slide shows and learn to print our photos.</p> <p>Evaluation survey will be emailed to you.</p>	<p><b>PowerPoint file:</b> Adobe_Lightroom_4_Develop_Module.pptx (Slides 8)</p>	<b>3 minutes</b>