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IOP finally has honestly changed my life. I gained not only experience but also confidence in my photography to take the huge leap of leaving my job and starting out on my own as a professional photographer. THANK YOU IOP! Johan George Carinus Professional Diploma in Photography I enjoyed how the course takes you from a total beginner right through all the photography skills. Feedback throughout the course was great, and it really helped develop my skills further, as only following the feedback when I went back and looked at the photograph could I see little errors, which helps development. David McGuire Professional Diploma in Photography Very proud to be and will remain within the IOP family. This learning experience is unique and I will continue to be part of the IOP Institute to keep learning and reaching new levels into my journey of photography. I say this loud and proud from the heart....NO WORDS CAN THANK IOP ENOUGH FOR THE GUIDANCE AND LEARNING EXPERIENCE!

Vince Piscopo Professional Diploma in Photography Completing the Diploma in Photography course has given me so much knowledge of all aspects of making photographs. The tutor feedback was comprehensive, constructive and very useful for continued improvement. The course has made me think about why I take photographs and to care about my composition and end product. A great benefit of completing the diploma was being able to understand what makes good photos work better than others. It's been a long time since I've had such detailed feedback on my work. I can't wait to start taking more pictures now.

Samantha Pattison Professional Diploma in Photography Very good overall course, covering essentials like cameras, lenses, technique, exposure, Lightroom, composition, aperture priority, etc.. 20 or so modules, and with each one you can submit images for tutor feedback, which is always thoughtful and respectful. Towards the end of your course there are three or four compulsory image submissions - portrait, landscape, etc. And for the Final Submission you are required to supply three images, Portrait, Landscape, and Free Choice. So, a good balance between taught modules and tutor feedback. Recommended. Rob MacKillop Professional Diploma in Photography D266-072 Four methods (metering modes) to measure the subject's brightness are provided. Normally, evaluative metering is recommended. Evaluative metering is set automatically in Basic Zone modes (except in i mode, which uses center-weighted average metering). Select [Metering mode]. Select an option .

Evaluative metering General-purpose metering mode suited even for backlit subjects. The camera adjusts the exposure automatically to suit the scene . Partial metering Effective where there are much brighter lights around the subject due to backlight, etc. The partial metering area is indicated on the screen . Spot metering Effective when measuring a specific part of the subject. The spot metering area is indicated on the screen . Center-weighted average Metering across the screen is averaged, with the center of the screen weighted more heavily. Caution With (evaluative metering), holding down the shutter button halfway while shooting with [One-Shot AF] locks the exposure value (AE lock). With (partial metering), (spot metering), (center-weighted average metering), exposure is set at that moment the picture is taken (without locking the exposure value when the shutter button is pressed halfway).

This month we're going to be taking an in-depth look at some of the most important tools available to us as photographers today. We'll be looking at the different types of light meters used by photographers today, and how they affect our final results. So let's get started! What Is Metering? Metering is an in-camera process which gauges and reads the light source in your image when you focus on your subject, enabling an appropriate shutter speed or aperture reading - depending on your shooting mode - and giving you an indication of the best possible exposure in those circumstances. If you're not familiar with metering as a term, you will most likely be familiar with the meter reading that pops up in your viewfinder when engaging your focus on a subject. This is usually presented as a scale which has a '-' at one end, a '+' at the other, and '0' in the middle. As you move your camera from one subject to another, this scale will indicate how under, over or evenly exposed you are. Advantages to Metering Probably the most significant advantage to metering on all cameras is that it will always be present. Even in full Manual mode, the meter will still indicate whether your scene is under or overexposed based on your settings. Many find this a big help when coming to terms with the relationship between aperture and shutter speeds in Manual. The meter provides a quick and easy indication on whether you should be altering accordingly. In modes such as Aperture or Shutter Priority, the meter will work actively in conjunction with whichever setting you do not have priority over to match an appropriate shutter speed or aperture respectively to your chosen Aperture/Shutter. The Problems with Metering Though metering in most digital cameras is very advanced and a fantastic way of understanding exposure, it will often struggle when confronted with areas of difficult lighting, changing light or harsh, contrasting exposures. Have you ever shot an image that was blackit, only to get your subject washed out afterwards perhaps you've shot in a very dark space, where just a small amount of light to focus on - a bridge or a tunnel, for example - only to have most of your image blown out or overexposed?

This is where metering comes in handy. When metering in the broad sense can tell us if our exposure is too bright or too dark, we can override the evaluation tool that tells us "pretty good." But here's the thing...if you don't know how to use the meter correctly, you won't be getting the most out of it. There are three main changes you can make to your metering, to make changes to your exposures. Matrix/Evaluative Metering Matrix or evaluative metering is the metering mode that many of you will be most familiar with and is the default metering mode on most cameras. In Matrix/Evaluative metering mode, the entire point of frame will be different by the light meter, and the resulting readings are given, based on this. Your focus points or points will always take priority, as the camera assumes this is where you want the exposure to be as well as it can, but the evaluative nature of this mode means that the rest of the frame will have an impacting result on how that focal point is exposed. When to use Matrix/Evaluative Metering If it sounds pretty self-explanatory, it's probably because it is. Evaluative or Matrix metering is the perfect metering mode to use when you have either a broad scope of subject matter within your frame or/and when you know your frame isn't going to cause too many problems exposure-wise. In the image above, we can see how the bright conditions and angling of the camera make for a very even, punchy and bright exposure value. In this instance, the use of evaluative metering is wholly justified. The entirety of the frame has been read and an exposure value created to steer clear of any over or underexposure problems. In this instance, the photographer had to act and shoot quickly. A more limited metering mode would have restricted the exposure value to darker or less strong areas of light in the photograph, which in this instance, would almost certainly have darkened the exposure of the pigeon. Centre-Weighted Metering Perhaps even more self-explanatory, its centre-weighted metering mode gives extra weight to the central portion of the frame. This is ideal for situations where the subject occupies a large proportion of the frame, but the centre and surrounding, making it very useful when a subject is backlit, for example. When to use Centre-weighted Metering You should be quite selective and careful when using centre-weighted metering. Your subject should be one that fills a large proportion of the centre of the frame, as the difference in exposure between subject and light source can battle each other, and the reading can end up a little off. This is by no means set in stone, as the example below shows. It's more of a case of trial and error here and the more you shoot in centre-weighted, the more accustomed you will become to the results and in what circumstances it is best used. In our wedding photograph, the couple is captured at a moment where the sun just creeps through the clouds behind them quite intensely. As an initial way round this, the photographer chose after the exposure compensation to make up for the silhouetting caused by the direct sunlight behind the couple. However, pairing this with centre-weighted metering meant that the couple could be exposed evenly, while the background is subject to some quite heavy overexposure. Important Tip: Centre-Weighted Metering will not work under the 'focus/recompose' method. When we lock our focus on a subject and recompose, it's a simple and effective way of getting alternate compositions, but this technique will not lock in the exposure value. The meter will continue to read the scene once the focus is locked and this may throw you out your initial reading. If you're going to use centre-weighted metering, try to remember this, and crop or re-compose your image accordingly in the editing process. Spot Metering Spot Metering is probably the most exposure-specific metering mode. When we engage spot metering, the camera reads the exposure around your focus area and nothing else. This is a convenient mode to employ when using Single Area Autofocus modes, as you can be in full control of what point of the frame is being read for its exposure. Using spot metering allows you to target a single point of interest, ensuring that everything outside of that point remains relatively neutral. However, with the flexibility to change which focus point is engaged, you have a little more flexibility in where in the frame your subject sits. The subjects in this image are very central, but spot metering was used on a very specific area of focus - the light falling on the face of the gentleman on the left - to create a wonderfully atmospheric image and taking control of the very bright and very dark areas in the steam engine shed. If we were to use Centre-weighted Metering on this scene, we would probably see considerable underexposure as the centre of the frame contains an intense exposure from the open doors in the background. Evaluative metering would likely see a lot of overexposure as the majority of the scene is very dark indeed. It is imperative that you get used to using these modes if you haven't already. For some reason, metering tends to be one of those aspects of photography that is mostly ignored by hobbyists or keen amateurs primarily, but once they open up to the idea of using it, they wonder how they ever shot without it! Get out into the glorious winter sun and play around with what metering can do for you, and I look forward to seeing all your submissions in November. Your camera uses a light meter to figure out the correct exposure settings for any scene. Like most "automatic" camera features, you do have some control over how it works. Let's look at the different metering modes and when to use them. Your Camera's Light Meter Whether you're shooting in automatic mode, a semi-automatic mode, or full manual, your camera always calculates the "correct" exposure settings, either to use or merely display when it thinks you're under- or overexposed. It works by measuring the amount and intensity of light reflecting off objects in the scene. For the light meter to do its job, it makes one huge assumption: that when you average the total brightness of a scene, it should be around 18% grey. This is how that looks. 18% grey is also called middle gray since, as you can imagine, it's exactly halfway between white and black. Most cameras assume that the scene you're pointing at is somewhere close to 18% grey. That's why, when you hold your camera up to something that's clearly lighter or darker than 18%, the camera starts calculating the wrong exposure is to shoot in aperture priority mode and play around with exposure compensation. On the other hand, if you want your camera to make more accurate metering decisions—or understand why it's off—then you need to know about metering modes. There are three main metering modes: Center-weighted average metering; spot and partial metering; and evaluative, pattern, or matrix metering. On modern digital cameras, you can choose between them. The process varies by manufacturer and camera, so look up your manual if you want to switch modes. In each subsection below, there's a photo of the same scene shot using my 5D Mark III in aperture priority mode at f/1.8 and ISO 800. I've changed the metering mode for each shot and let the camera use whatever shutter speed it calculated would lead to proper exposure. I've deliberately gone for a difficult scene for a camera to meter so you can more easily see the difference between how each mode approaches it. Center-weighted Average Metering Center-weighted average metering works on the assumption that the most important part of the image is probably in the center. It measures the whole scene but places extra emphasis on the light values in the middle. Center-weighted averaging is a bit of a throwback. It hasn't changed a considerable amount since the first auto-exposure cameras were introduced. There are few very situations where you'd use it over one of the other two modes. In the image above, my camera has overexposed everything a bit. The white label is roughly in the center of the image horizontally, but not vertically, so the camera is being thrown off a little. Spot and Partial Metering Spot and partial metering work the same way. Your camera only measures the intensity of light from a small circle in the center of the scene. The only difference between this mode and center-weighted averaging is how large that circle is. In spot mode, Canon cameras measure about 2% of the total image area; Nikon cameras measure about 5%. In partial metering mode, Canon cameras measure about 9.5% of the image area. Both spot and partial metering give you a smaller circle of focus than center-weighted metering does. They're both useful for isolating a subject from the background. Spot metering is useful whenever you want to isolate a subject from the background. The label on the bottle is perhaps a touch underexposed, but it's not blown out. This was probably a situation where spot metering was the best option. Evaluative, Pattern, or Matrix Metering Evaluative, pattern, and matrix metering are all different words for the same kind of metering. The generic term is evaluative. But pattern and matrix are Canon and Nikon's proprietary terms respectively. Evaluative metering is an improved version of center-weighted average metering. Instead of assuming the center is the most important area in a photo, evaluative metering takes into account things like where you've placed the focus point and what else is in focus. In general, evaluative metering is the best mode to leave your camera in. While the shot above is slightly overexposed, it's about as good as the spot metered one, just in the opposite direction; it's a hell of a lot better than the center-weighted average image. It's only in extreme situations where spot metering or partial metering will serve you better than evaluative metering. Changing the metering mode on your camera can make it easier to get a good exposure when you're working in tricky circumstances. "Light" is an indispensable element in photography. To achieve an accurate exposure, we adjust the camera's settings such as aperture and shutter speed so that the right amount of light enters into the camera. "Metering Mode" refers to the way the camera measures the brightness of the subject. Based on the metering result, the camera automatically calculates the right exposure combination to use to achieve a properly exposed image.EOS DSLR cameras offer 4 metering modes, namely "Evaluative," "Partial," "Spot" and "Centre-weighted Averager". Each mode offers a different level of sensitivity for selecting parts of the scene to meter. Evaluative metering averages readings across the entire frame, while Spot metering focuses on a tiny area. Understanding how to use each mode effectively can greatly improve your ability to capture the exact exposure you desire. Evaluative metering takes into account the entire frame when determining the exposure. It is useful for low-contrast scenes where the lighting is fairly uniform, such as landscapes. Spot metering is useful when you want to isolate a subject from the background. The metering mode you choose affects the exposure of the background. If you want a perfectly exposed background, you may need to use matrix metering. Experiment: The best way to find the right metering mode for your portraits is to experiment with each one. Take the same photo using each mode and compare the results to see which ones work best. Don't rely solely on the metering mode. While the metering mode can be helpful, it's not a guarantee of a perfectly exposed photo. Use it as a starting point and adjust your settings as needed based on the results you see. In summary, choosing the best metering mode for portraits requires an understanding of the differences, consideration of your subject and background, experimentation, and a willingness to adjust your settings as needed. Keep these key points in mind and you'll be well on your way to taking beautifully exposed portraits. 10 Best Metering Mode For Portraits # Product Image Product Name Check Price Nikon DS600 Pocket Guide: Buttons, Settings, Modes, and Tips. Pocket Guide for Nikon Z5: Controls, Modes, and Shooting Tips Sense Flex Home Energy Monitor Nikon D7500 Two Lens Outfit Nikon DS600 Pocket Guide: Buttons, Settings, Modes, and Shooting Tips Sense Flex Home Energy Monitor Nikon D7500 Two Lens Outfit 1. Sense Flex Home Energy Monitor The Sense Flex Home Energy Monitor is a powerful tool that combines the Sense monitor and Flex sensors to guide their home's energy usage and activity. With the ability to monitor up to 240V/240W circuits, as well as generator, solar, or 400A split-service systems, this device provides real-time monitoring of power consumption. Additionally, the device now supports time-of-use rate plans, which can further help you save money on your energy bills. With the Sense Flex Home Energy Monitor, you can easily track how much electricity you're using, as well as when your kids go home or when someone leaves the basement light on. The device identifies patterns in your energy use to help you identify areas where you might be wasting energy. Real-time data is available through the iOS, Android, and web apps, making it easy to monitor your home's energy use from anywhere. Another key benefit of the Sense Flex Home Energy Monitor is its ability to help you avoid disaster. Custom notifications can be set for critical devices like your sump pump, well pump, or flat iron, ensuring that you're always aware of potential problems before they become major issues. It's worth noting, however, that the Sense Flex Home Energy Monitor is not currently available or compatible outside the United States and Canada. Overall, the Sense Flex Home Energy Monitor is an excellent tool for homeowners seeking to save energy and money, be more efficient, and stay informed about their home's energy use and activity. Its comprehensive monitoring capabilities, user-friendly interface, and customizable notifications, it's a smart investment for anyone looking to improve their home's energy efficiency and security. 2. Neck Gaiter Face Scarf Cover Sun Protection Balacava Cloth Bandanas