

Professional Personal Development					
Continuing Professional Development Record					
Name	Student Number	Discipline			
Morgan Lewis	200946	Quantity Surveying			
CPD Plan (anticipated 1 and 3 year plan)					
Learning	Classification/Type	Objective	Start Date	Time Scale	
Learn more about the QS industry to make a decision on where I would like my career to steer towards	Lectures, Reading & attending Webinars	To learn more of the different routes within QS to help make a decision on where I might see a career once graduated.	2021	2 years	
Would like to find out more about the industry from working professionals.	Work Experience, Shadowing & Conversations with fellow students	Before graduating I would really like to make full use of my lectures and fellow students knowledge of the industry and to learn more about their first hand experiences and what to expect going forward.	2021	2-3 years	
Part take in more physical aspects of the role	Site Visits	I would be great to have a more hands on experience of sites and see some of the other roles in the industry and how the work together in real life circumstances. I would like to learn more of the positions available on a site and see a start to finish process.	2021	2-3 years	
Continue to charter as a student with CIOB	Reading	They provide great updates on the industry and want to continue to have student charterists until qualified to full chartership. They provide really good articles and eBooks to read throughout the week to keep on top of CPD.	2020	2+ years	
CPD Log					
Date	Duration	Classification/Type	Objective	Learning / Outcome / Benefits	Reflection
Tuesday, 17 Nov 2020	4 hour	Lecture	Lecture and discussion on wall types in construction for superstructures	Introduction into the different wall types available in construction and discussing their advantages and disadvantages. Looking into the importance of wall types when it comes to thermal conductivity	Looking at the history of wall types and their origins was intriguing. I hadn't realised before how many different designs might have come from influences across the world and how to best spot these designs. Concentrating on wall types that have different aspects of structure as well as certain aesthetics and what this means for each project. The importance walls play in the thermal performance of properties and what you need to consider when looking at planning applications and clients brief whilst ensuring all designs comply with the correct approved documents. This was a great way to learn more about the effects of a simple decision on a wall might have on the overall performance of that buildings u-value and it was great to learn how to identify these issues early to not only comply with the accurate standards but also to help produce more efficient building by aiming to over-engineer on the recommendations.
Monday, 23 Nov 2020	4 hour	Lecture	Introduction into BIM and Revit	Learning more on the origins of BIM and how to use this process on old like Revit. First introduction on Revit.	Going through the basics of Revit tools and the benefits of using Revit on projects for all AEC professionals. Setting up a new project and starting an exercise for get used to the software and seeing how much more user friendly it is compared to CAD. From other CPD it is apparent that Revit and CAD are heavily used in this industry so this was a great stepping stone into how best to use Revit and of the opportunities available such as Revit City.
Tuesday, 1 Dec 2020	4 hour	Lecture	Lecture on floors, roof structures and roof coverings	Lecture and presentation on floor types, roof structures and roof coverings for superstructures and how the different options reflect on the completed projects thermal properties.	Looked at the various types of floor structures than can be used across a dwelling over ground floors and levels floors and how these fit in with the framework. How these need to be fitted and best practices used. Very interesting to learn more on roof coverings and running through which ones are best for individual circumstances. The benefits of different materials and how they change the project timescales and budgets but also trying to please a potential client. Knowing which materials provide the best results for various different conditions will most definitely be useful if I am to work anywhere else in the world.
Thursday, 3 Dec 2020	1 hour	CPD Webinar - Building the future pipeline	Discussion on the future for developments in Wales investing in infrastructure for a sustainable Wales	Part of a large discussion between industry professionals currently working on projects across Wales and hearing their objectives on providing a sustainable Wales and best forms of practice being shared	First attendance for a CPD Webinar. Very interesting to see leading professionals discussing the importance of developments in Wales and seeing counter opinions on large projects in the local areas. Great to be a part of a discussion that felt like an agreement from industry professionals across the board that working closer together only leads to better results for everyone. Learning more about what is happening on your front door brings the process closer to home and helped me relate to a lot more of what was being discussed.
Tuesday, 8 Dec 2020	2 hours	CPD Webinar - An essential guide to safe, practical and aesthetic roof, ceiling, wall and floor access solutions	Webinar and presentation on the use of safe roof, ceiling, wall and floor access points and the regulation and legislation to abide by in South West and Wales	Learning more on the current legislations and guidelines in place by the governing bodies and which documents apply to access points	An introduction into aspect of construction I haven't been in practice or have no experience in so was keen to attend. Have learnt the importance of having certain access points throughout an infrastructure and what are best practices for these to be interesting and safe for use throughout the building lifecycle. Learning more of the needs from a commercial location which I haven't seen much of and am keen to learn.
Tuesday, 8 Dec 2020	30 min	Expert opinion given	Discuss current industry standard with a leading professional	Discussion with a Building Surveyor on current industry standards and expectations once qualified	Hearing know someone from previous work who is a qualified Building Surveyor at a local company it was great to hear his experience going from education to working life and what to expect. Also discussed the potential work shadowing work experience in 2021.
Thursday, 10 Dec 2020	1 hour	CPD Webinar - The Value of Sustainable Green Infrastructures in Architectural Design by ANS Global	Presentation on the importance of sustainability in future infrastructures and best practise on introducing more sustainable construction methods	The importance of reusing biodiversity in to urban areas, changing the appearance of older architecture and providing happier spaces for working and educational buildings. Introduction into the 'living wall' and discussing current environmental legislations	The presentation was great and I got to study how to introduce sustainable living into new architecture as well as part of existing older buildings. The discussion also covered the impact of greener buildings on peoples health and mind sets when in working or educational environments which I found really interesting. The benefits of having a more sustainable building such as 'living walls' really does have a huge impact on the people and the potential way our construction industry could move forward.
Wednesday, 30 Dec 2020	1 hour	Reading	BIM and Construction Management: Project Tools, Methods, and Workflows by Brad Hardin, and Dave McLeod	Reading to understand of BIM in the construction industry and to learn how it will influence on the future of the industry	BIM is a very extensive process that has multiple tools. Working with CAD and BIM on assignments is a small introduction and I found it intriguing to read more on the topic and understand how this process is going to play a large part in my future career. Trying to understand other aspects of BIM such as CDE and starting to see this process in working practice by reading more on its origin and how much it has already developed.
Tuesday, 5 Jan 2021	1 hour	CPD Webinar - Natural state for roofing: effective specification by BDA	Overview of natural state, environmental factors and current guidelines within the UK.	Learn more on the origin of natural state and the different types of natural state across the world and how they are quantified. Learn that natural state has the lowest carbon footprint of all pitched roof coverings. Discuss the different types of testing needed on the material and how this meets current legislations.	Found this a great introduction in to the roof covering material aspect of build from manufacturing to a completed build. Really interesting to know the main characteristics of dry natural state found on compared to other covering options and it was particularly interesting to learn more on the testing side of material to make current legislations and how rigorous it is and how to know the claims are certified by BS. Opened a door into learning of alternative materials that might be able to compete with natural state in terms of sustainability.
Tuesday, 5 Jan 2021	1 hour	Reading	CPD Article - Construction Manager Magazine: An introduction to PAS 2035 The importance of why contractors need to follow standards on retrofitting homes with the Green Homes Grant issued by the Government	The changes between PAS 2030 and PAS 203 and how contractors will need to comply going forward. What the Green Homes Grant means to homeowners, the benefits and the governments priority by introducing the scheme. How this will be implemented in retrofitting homes going forward.	Learning of PAS 2035 or the Green Homes Grant was really interesting on how this is going to come in to play, even though it is just England for now. Was interesting to find out that the household carbon footprint is 14% emissions which is very high compared to Europe. Knowing that sustainability and green infrastructures is a large part of new developments it was good to learn about how the government aim to make this a priority when looking at retrofitting as well.
Tuesday, 5 Jan 2021	4 hour	Lecture	Lecture and discussion on ventilation in superstructures and causes and prevention of condensation	More in depth information on how condensation can be caused and looking at the options available to prevent this happening. Looking at how condensation affects construction fabrics and what this means to the overall project.	My only experience with construction ventilation and condensation was from working in the housing market previously. This is something I was keen to know more about. The lecture went in to detail on the causes and reproductions of condensation and the best ways to correctly ventilate structures to prevent this happening. It was useful to know that things can be done at the start of a project and can be added to completed dwellings as well so this is something you can always work on and can always be improved.
Thursday, 7 Jan 2021	1 hour	Reading	CPD Article - Construction Manager Magazine: How building envelope design can enhance light quality. Article on how natural light affects the human body day to day and how this can be incorporated into buildings for a healthier life	Looking at how most buildings do not provide natural light and how this affects the human body. The difference between using natural and artificial lighting in commercial buildings and the benefits of introducing natural light going forward in construction to create healthier lifestyles for humans	Learning about circadian rhythms really taught me a little more on the larger effects of using artificial lighting on the human body and how it can change peoples mood, work ethic and have an impact on the sleep they will have that night. Knowing that people spend around 90% of their lives indoors shows that we need to be concentrating harder and working more towards a natural light environment to ensure our working lives are healthier and ultimately happier.
Friday, 8 Jan 2021	1 hour	CPD Article - Construction Manager Magazine: Securing Timber Responsibility	Article on ensuring timber, the affects this has on the world forest and what certifications schemes are available to ensure chain of custody	I was shocked to know that only 11% of the worlds forests were certified as of 2019. It showed the importance and having the certifications and full chain of custody on all timber or wood materials sourced, especially from outside the UK. It was really beneficial to know that this should be a very large consideration at early stages of construction and I can lead to large repercussions later on if I inspected.	Having not worked on site and only had experience from a sales perspective it was really interesting to learn a little more on the timber frame works can be sourced and how important it is to ensure you have a full chain of custody. I would really like to see the construction industry move towards a more sustainable industry and you can see from Canada that they are a good example to work from and show it is achievable.
Wednesday, 13 Jan 2021	1.5 hours	CPD Webinar - Surveying and recording historic network by ICE	Panelled discussing methods of surveying and recording historic and heritage structures and the equipment to do this. Taking a look at the newest technologies available to record heritage buildings specifically network.	Discussion and presentation on recording and looking in to how to maintain network. Most network stopped many years ago or nearly all network is heritage now. Most commonly used on railways and bridges and have lasted almost 150 years old. How to correctly record the structures and what information to gather when on an inspection.	The importance of the quality of the recordings and inspections of the structures can lead to them lasting so much longer or can help identify any underlying issues that might save the structure it is so important how accurate the records are on these structures for the future maintenance and future inspections to keep the information as accurate as possible to prolong the life span of these structures. Looking at the newer technologies available was interesting as although they are developed for accurate recording and working on these structures they aren't necessarily the best route. It's good to learn that it is often to really know your materials and the structure you're working with and how that can be the different between a long lasting structure and a failing structure.
Wednesday, 13 Jan 2021	1.5 hours	CPD Webinar - Three experts talk building regs & building safety	Presentation from 3 professionals across industry such as current and new Building Regs and importance of Fire Safety	Looking in to the reports that were released following the Grenfell fire and how this led to new recommendations for the construction industry and all disciplines. Looking at the new regulations, approved documents and recommendations now in place.	Knowing the devastating effects from tragic incidents like Grenfell but it really important that the construction industry use this tragedy to change how they work so it was nice to see that this has been repeatedly happening since the incident and looks like it will continue to happen. It was important for me to see the previous available to ensure future sites are following the updated regulations in place for fire safety and that this to always be looked at as a priority on sites in early stages regardless of the build size.
Sunday, 17 Jan 2021	1 hour	Reading	CPD Article - Construction Manager Magazine - Reality capture on BIM and it's influence on the construction industry	The process of surveying sites has started to become more related with it having so many steps that could lead to costly errors when developing or renovating sites. Reality Capture with the help of BIM has shown a faster more efficient way to survey sites and to accurately record the data in a collaborative way for all AEC professionals to use on a project.	Reality Capture and BIM are on the rise in the construction industry and they have a large impact on how professionals are working now. They will both clearly be a large part of my future career and it is important to learn how they are continuously developing now and being used so that I understand the processes more when I need to use them. They are fast moving and provide so many benefits to the construction industry today it will be great to see how I will use them and benefit from me knowledge on them.
Tuesday, 19 Jan 2021	1 hour	Reading	CPD Article - Construction Manager Magazine: A guide to BIM Level 2	With a recent assignment dedicated to BIM, its origin and the benefits it was interesting to learn more on the UK's approach on BIM and how seriously they have taken it by setting goals for the industry to hit to reduce cost, time and carbon footprint. It was a more in depth article on the "value" of BIM	Learning about BIM and doing as much as possible to understand the process now it important to be it. It becoming heavily infatuated throughout the construction industry now and learning of the benefits it has had on wastage, cost, time management and the carbon footprint of the construction industry was really surprising. I know BIM and other processes such as CDE are going to be large part of my career and I aim to expand my knowledge on the subject. It keeps on improving too.
Professional Development (Evaluation of progress/development in 2020)					
From starting my CPD in 2020 I have shown my capability to learn and develop my knowledge on the construction industry. Having now attended several online CPD sessions and seeking the learning possibility from these I have demonstrated to me that the opportunities to study more on the industry is endless. CPD has allowed me to be in several matters from the modules I am currently studying to each other, sharing me that although the subject itself might be more practical based that there is always need for the relevant legislation and regulations and that it was nice to learn alongside my education with accompanied by digital technologies and BIM. Reading articles provided by CIOB I have seen how the industry is always evolving and that my future in the industry will be heavily influenced on the matters I am reading about now and what I am choosing to learn alongside my education will impact my future role. Personally, I would like to see a more sustainable and green construction industry in the future and have purposely chosen several CPD forms related to these matters. The more I am learning now on the steps and movements to take to make our industry more sustainable the more I will understand what needs to be doing in the future to continue this movement. The main aim of CPD that is now available online has allowed me to experience what an industry professional might have done to go on or to advance in their discipline during a year such as 2020. To have given myself more experience and another method of research I would have liked the prospect of shadowing a professional if the circumstances would have allowed.					
Perspective for 2021					
Following a few minor challenges in 2020, looking forward I would like to experience more face to face CPD such as shadowing or work experience. I have contacted a Building Surveyor from a local company who I have had the time to speak with on a few occasions in preparation of potential shadowing in the coming year. As I have not had much involvement with his aspect of the construction industry yet I am keen to become familiar myself with it more. The more exposure I can get of the construction industry the better and that is my goal for 2021. By continuing CPD I will be able to pursue a more mature understanding of the industry and to gain knowledge on aspects I might not directly study at university. By the end of 2021 I would like to have a lot more variety in my CPD and not only exist that I am keen to learn new things but also that I am eager to expand my knowledge on topics I have already begun or covered. CPD has allowed me to start looking at subjects in the construction industry that are close to me and that I know I am keen to use as part of my career. This has allowed me to gain the knowledge and information needed from an early stage to ensure that I know how and where to use it to have an influence in my career and future.					