

Professional Personal Development

Continuing Professional Development Record

Name

Student Number

Discipline

Benjamin Haydn Davies

2012775

Civil Engineering

CPD Plan (1 to 3 year plan)

Learning	Classification/Type	Objective	Start Date	Time Scale
Learn how to allow myself more time to study outside of lecture times (1 year plan)	Self Learning	Make sure 1-3 hours are set each day outside of lectures days to make sure I can get as much knowledge and experience out of my time at	09 2020	Ongoing
Apply for work experiences outside of UWTSO to make sure I get experience onsite aswell as in the classroom (3 Years)	Work Experience	Make sure I am constantly keeping an eye out for work experience as before I have not really had much working experiences in engineering as i have only just left college so working on site would really help further my understanding of the subject and I think this would be a fantastic experience.	09 2020	Ongoing
Secure a full time job (3 Years)	Work Experience	At the end of my 3 years at university, I really hope to secure a full time job with all of the experiences and knowledge I have gained, so I can use it in my working life and excel myself to	09 2023	End of 3 years

Past Professional Experience

Before University I would personally say I don't really have any working experiences in Civil Engineering as I have never had a job in the subject or really any work experience due to my young age and constantly being within learning institutions, its something that with the CPD 1 to 3 year plan, that I really look to work on. Mainly all of my prior knowledge and experiences Engineering have come from completing a BTEC Level 3 Extended Diploma in Gower College Swansea in July 2020. I did a 2 year course where I learned a wealth of knowledge in all the disciplines from mechanical, electrical, civil, to structural engineering. Civil always attracted me due to myself enjoying CAD work and doing engineering drawings and designing large thing compared to small components. I started the course freshly out of secondary school in September 2018, and finished in July 2020, sady my in class time was out a few months short due to the COVID-19 Pandemic so we had to resort to online teaching for the last 3 months, but this didnt stop me studying to better myself in the subject. With all the knowledge and experience have gained I really hope to use it and excel myself in my studies for the next 3 years and gain a job that i enjoy and will do well in

CPD Log

Date	Duration	Classification/Type	Objective	Learning / Outcome / Benefits	Reflection
28/09/2020	4 hours	Digital technologies Lecture	gain an understanding of autocad	We learnt basic commands informing us on how to use the application	The information will prove invaluable in future working projects as we use autocad to design most projects
29/09/2020	4 hours	H&S lecture	Gain an understanding of basic H&S Regulations and laws	We learnt about many different regulations and laws e.g. H&S at work act 1974	This information we learned will help with future safety on site and off site and help us towards assignment 1
29/09/2020	4 hours	Groundworks Lecture	Gain a knowledge on types of foundations and soils	We learnt about different foundation types on buildings and the soils that are ideal to be built on, evaluate different advantages and weaknesses of soils	The information we learned will go towards assignment 1 which is a case study of ground work and our specific build in a site on SA1
05/11/2020	8 Hours	groundworks assignment	Complete Assignment 1	I did a groundwork case study along with vast amounts of research to do assignment 1	This was interesting as it gave me a detailed idea of the history of SA1 in which where our site was
10/11/2020	8 Hours	H&S Assignment	Complete Assignment 1	I did consant deep research on different legislations, regulations, risk assessments	This was a very difficult task as we needed to do such high research and putting it into reports was challenging.
09/11/2020	12 Hours	Digital Technologies Assignment	Complete assignment 1	I completed designing an airport on AutoCAD to complete assignment 1	This was a challenging task as it was such a large design compared to anything I had ever personally dealt with before
10/11/2020	4 hours	Superstructure lecture	Learn about different types of superstructures	After we completed assignment 1 we started learning about superstructure after we completed substructure.	We learned about the variations of superstructure to help us towards completing assignment 2 and to help us as civil engineering contains a lot to do with structures.
16/11/2020	4 hours	Digital Technologies Lecture	Gain an understanding of BIM and REVIT	After we completed assignment 1 we started learning about how to use REVIT which Utilises BIM processes.	REVIT is used to design many structures in engineering due to its accuracy and design capabilities
17/11/2020	4 Hours	H&S lecture	Learn about what CPD is and keep a log of your experiences in CPD	we learnt about the meaning of CPD and how it helps in our education in civil engineering and how it will give us more experiences in our subjects.	This knowledge will help us with assignment 2 as we need CPD logs to help us and the experiences will help us towards a bachelors degree
23/11/2020	2.5 hours	BIM research	Gain a better understanding of the complexities of BIM and REVIT	I did some research on the internet like videos of people using revit on youtube	This taught me many of the basic commands you need to use on revit to design good structures.
28/11/2020	3 hours	Research on Engineering Projects	Learn about structural masterpieces and famous architects	I looked at websites and youtube videos to research some projects to better my understanding of building processes and especially the design processes	This was very valuable information even though it wasn't assignment specific, it helped me know more about what kind of engineering I would want to pursue
01/12/2020	1 hour	Video on Clob	Learn about different Clob companies and how to get chartered	We watched a presentation by a large company on how CPD and clob experience helped them get to where they are	This presentation will go towards assignment 2 and will help me with my understanding of CPD in construction
10/12/2020	30 mins	CIOB talk	Follow up session and talk	Talk consisting of a further understanding of clob	The information I learned is knowledge I can apply to further situations and it made me consider memberships
11/12/2020	3 hours	research	I research types of structures to help me in my assignment 2	Websites consisting on insulations of structure	insulations are important to keep in heat, keep away condensation and molds.
12/12/2020	3 hours	research	I researched many skills I will need in revit and autocad through videos supplied by our lecturer	I learnt about techniques that I need for revit software and did some of my assignment which needs me to build extensions for a structure.	Revit will be needed for future work so this will help me on my journey to be a chartered engineer
20/12/2020	3 hours	research	I did more research for my assignments	I learnt about techniques that I need for revit software and did some more of my assignment and I then looked at more clob websites.	im glad I did this as it helped save time on last minute assignments
01/01/2021	2 hours	research and refresh	I started research again after my christmas break	I refreshed myself after the break for christmas by doing internet research	I needed this as refresh sessions are good to remember and complete information to help complete assignments in which have 3 due this month
04/01/2021	4 hours	Resumed BIM Lectures	Restarted lectures again after break	We had a refresher session in BIM with our lecturer Gavin.	We caught up as a class on the techniques of BIM to help with the upcoming assignment
05/01/2021	4 hours	Resumed Superstructure lectures	Restarted lectures after christmas break	We had a refresher session on Superstructure with our lecturer Gavin.	we caught up and researched on superstructure ready for our assignment 2 deadline
05/01/2021	4 hours	Resumed H&S Lectures	Restarted lectures after christmas break	We had a refresher session on H&S with our lecturer Deborah.	we caught up and researched on CPD and CIOB ready for our assignment 2 deadline

Professional Development (Evaluation of progress/development in 2020)

My main learning goal was to improve and build on the knowledge I had gained from college, and applying it to my work within my course in university. I also believe my concentration within lectures and within doing my assignments also greatly improved due to me removing distractions like going on my phone and daydreaming. I think ive done well in taking notes and managing my time doing work and handling my workload, while also researching subjects that I need to excel in my work. Since college ended I believe my confidence within the subjects have also improved due to getting good marks and grades which has given me more confidence to aim for even higher grades in the future.

Planning for 2021

My plan for 2021, Granted COVID-19 allows it, is to look into getting major work experience as it is something that will hugely contribute on my journey to be a civil engineer. I also need to look over the Harvard Referencing system as it is a new thing to me and if I fail to apply it I will end up losing marks and not achieving my greatest capabilities as I will just lose out on silly marks that I couldve gained if I had applied it better. I also would love to learn so much more about Digital technologies and I would like to improve on skills I struggled with in college like engineering maths which I know is a course in semester 2, so in 2021 im looking forward to just learn and excel myself more.