



# CPD Cert. in Building Energy Modelling using PHPP



## Course Schedule November-December 2021

Dates	Time	Duration	Speaker/Lecturer name	Type Of session	Descriptor of session content
Thurs 4th November	14:00-17:00pm	3 hrs	Joseph Little & Andy Lundberg	Webinar	Formal Introduction and overview of the Course
Friday 5th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: An overview of PHPP (9) (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Saturday 6th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: PHPP Climate Data Sheet & PHPP Verification sheet (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Sunday 7th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: PHPP U-values sheet & PHPP Areas sheet (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Monday 8th November	9:00-13:00, 14:00-16:00pr	6 hrs	Learner	Self-directed Learning	Project-based formative exercise deepening the learning of Week #1, through answering multiple choice questionnaire and building relevant part of a PHPP model (~6 hours)
Monday 8th November	11:45-12:00am	-	Learner	Formative submission	Project-based formative submission on week #1 lecture content
Tuesday 9th November	08:00-09:30pm	1.5 hrs	Andy Lundberg & class group	Webinar	Interactive online webinars based on formative exercise submissions (~1.5 hrs).
Friday 12th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: PHPP Treated Floor Areas (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Saturday 13th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Ventilation inputs into PHPP (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Sunday 14th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Windows in PHPP & Window Energy Balance Calculation (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Monday 15th November	9:00-13:00, 14:00-16:00pr	6 hrs	Learner	Self-directed Learning	Project-based formative exercise deepening the learning of Week #2, through answering multiple choice questionnaire and building relevant part of a PHPP model (~6 hours)
Monday 15th November	11:45-12:00am	-	Learner	Formative submission	Project-based formative submission on week #2 lecture content
Tuesday 16th November	08:00-09:30pm	1.5 hrs	Andy Lundberg & class group	Webinar	Interactive online webinars based on formative exercise submissions (~1.5 hrs). Latest date by which brief should be presented (with clear rubric provided)
Thursday 18th November	08:00-10:00pm	-	Andy Lundberg	Summative assessment #1: online open book exam	Summative on-line assessment involving multiple choice questionnaire and use of PHPP
Friday 19th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View summative feedback and analyse and update project exercise (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Saturday 20th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Ground sheet entries in PHPP(~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Sunday 21st November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Shading in the PHPP(~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Monday 22nd November	9:00-13:00, 14:00-16:00pr	6 hrs	Learner	Self-directed Learning	Project-based formative exercise deepening the learning of Week #3, through answering multiple choice questionnaire and building relevant part of a PHPP model (~6 hours)
Monday 22nd November	11:45-12:00am	-	Learner	Formative submission	Project-based formative submission on week #3 lecture content
Tuesday 23rd November	08:00-09:30pm	1.5 hrs	Andy Lundberg & class group	Webinar	Interactive online webinars based on formative exercise submissions (~1.5 hrs).
Friday 26th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Summer Overheating Control in PHPP & Domestic Hot water & Space Demand in PHPP(~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Saturday 27th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Electricity & Auxiliary electricity in PHPP (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Sunday 28th November	09:00-13:00pm	1 + 3 hrs	Learner	Self-directed Learning	View recorded online lectures: Primary Energy & Heating Systems in PHPP (~1 hr). Related self-directed study & student-2-student engagement on social media platform (~3 hrs)
Monday 29th November	09:00-13:00, 14:00-16:00pm	6 hrs	Learner	Self-directed Learning	Project-based formative exercise deepening the learning of Week #4, through answering multiple choice questionnaire and building relevant part of a PHPP model (~6 hours)
Monday 29th November	11:45-12:00am	-	Learner	Formative submission	Project-based formative submission on week #3 lecture content
Tuesday 30th November	08:00-09:30pm	1.5 hrs	Andy Lundberg & class group	Webinar	Interactive online webinars based on formative exercise submissions (~1.5 hrs).
Thursday 2nd December	08:00-10:00pm	2 hrs	Andy Lundberg	Summative assessment #2: online open book exam	Summative on-line assessment involving multiple choice questionnaire and use of PHPP
Fri 3rd-Mon 6th December	as managed by student	~8 hrs	Learner	Design of Project	Creation of family house project in PHPP (drawing on the formative work on same house design in Weeks #1-4) and associated report. This tests the integration of Passivhaus knowledge and design skills by the students (~8 hours)
Monday 6th December	1:45-2:00pm	-	Learner	Project draft submission	Submission of draft project by upload to online form
Friday 10th December	2:00-5:00pm	3 hrs	Andy Lundberg & class group	Online workshop	Half day online workshop reviewing a selection of submitted draft project, troubleshooting and feedback on module.
Fri 10th - Fri 17th December	as managed by student	~9 hrs	Learner	Design of Final Project	Completion of family house project in PHPP and associated report (~9 hours)
Friday 17th December	11:45-12:00am	-	Learner	Summative assessment #3: Final project submission	Submission of final whole building project encompassing in PHPP showing evaluation of variables to test it reaches Passive House standard as designed, to achieve the certified standard.
December - January 2022	-	-	Andy Lundberg	Grading of projects	Grading of projects using a clear rubric set out in the project brief
01 January 2022	-	-	College Academic Board	submission of grades for award	Boards awards 'CPD Certificates in Building Energy Modelling using PHPP' (5-ECTS)
01 January 2022	-	-	CPD Cert office	Issue	Issue for formal certificates to all students who passed
24 February 2022	08:00-10:00pm	2 hrs	Learner	Summative assesment #1: repeat exam	Summative on-line assessment involving multiple choice questionnaire and use of PHPP
24 February 2022	08:00-10:00pm	2 hrs	Learner	Summative assesment #1: repeat exam	Summative on-line assessment involving multiple choice questionnaire and use of PHPP
02 March 2022	11:45-12:00am	-	Learner	supplemental submission for those who failed	Submission of revised final whole building project
March 2022	-	-	Andy Lundberg	marking of projects	Subsequent grading
March 2022	-	-	College Academic Board	submission of grades for award	Boards awards 'CPD Certificates in Building Energy Modelling using PHPP' (5-ECTS)
March 2022	-	-	CPD Cert office	Issue	Issue for formal certificates to all students who passed