LSBU EREID 2016 Task 9>10

Dear Students

Week 9 > Week 10 Homework <http://greenbuildingencyclopaedia.uk/?p=11023>

Files in DropBox

GBECalculator BuildingUVtoWattsCO2 A05BRM150416.xlsx

GBECalculator Whole BuildingEE EC SC A10BRM150416.xlsx

LSBU EREID 2016 Task 9 CalculationsWholeBuilding.docx

Week 7 > Week 8 Homework <http://greenbuildingencyclopaedia.uk/?p=10502>

Week 6 > Week 7 Homework <http://greenbuildingencyclopaedia.uk/?p=10450>

Week 5 > Week 6 Homework <http://greenbuildingencyclopaedia.uk/?p=10401>

Download the recent Jargon Buster from the GBE website (Free until Friday 12/03/2016)

GBE Shop <http://greenbuildingencyclopaedia.uk/shop/>

GBE Jargon Buster Update 49 <http://greenbuildingencyclopaedia.uk/product/gbe-jargon-buster-shop/>

Week 4 > Week 5 Homework <http://greenbuildingencyclopaedia.uk/?p=10290>

Supporting Lectures: Go to <http://greenbuildingencyclopaedia.uk/?p=559>

Week 3 > Week 4 Homework <http://greenbuildingencyclopaedia.uk/?p=10189>

Week 2 > Week 3 Homework <http://greenbuildingencyclopaedia.uk/?p=10033>

Week 1 > Week 2 Homework <http://greenbuildingencyclopaedia.uk/?p=9967>

LSBU EREID 2016 page <http://greenbuildingencyclopaedia.uk/?p=9905>

**From my email 15/04/16 (with additional information)**

Hi Students

The two calculators are now in DropBox for your homework (listed above)

They are also in GBE Shop <http://greenbuildingencyclopaedia.uk/shop/>

If you cannot get at the Dropbox let me know then I will reset the price to special offer ‘free’ for a set period of time to let you get it for free.

Or I will email them to you.

I will write the homework assignment before the end of the weekend (this is it).

But if you attended you know what you are doing.

Small change of plan with Studio and Lectures

I have a meeting clash with next week

So I am now rescheduling and attending to lecture on Friday 22nd

and I am attending studio on Thursday 28th no lecture 29th

Put it in your electronic diaries.

**Final hand in**

Full timers: Your final hand-in day is 29th April as previously indicated.

Submit it at the Faculty Office as normal mark it for Brian Murphy attention.

(I will make sure that they have a pigeon hole for me)

I will start marking week commencing 2nd May

I will do the marking in the University and leave the scores with Lilly that week

(I will leave your marked up home works in the Faculty Office for any one that needs to; to collect them to do more work)

Part timers: Following your request

I have negotiated a weeks stay of cut-off day

So your final hand in date is: 6th May

Submit it at the Faculty Office as normal mark it for Brian Murphy attention.

(I will make sure that they have a pigeon hole for me)

I will start marking week commencing 9th May

I will do the marking in the University and leave the scores with Lilly that week

(I will leave your marked up home works in the Faculty Office for any one that needs to; to collect them to do more work)

Must complete the marking for all of your work by May 20th

I will do the marking in the University and leave the scores with Lilly that week

(I will leave your marked up home works in the Faculty Office for any one that needs to; to collect them to do more work)

Good luck

But you should not need it if you have done all the work well enough so far.

**Your W9 > W10 Homework 2 Calculations**

* 2 Whole building calculations
* Building Elements > Components > Volumes > Materials > Embodied Energy & Carbon and Sequestered Carbon
* Building Element Areas > U values > Temperature Differences > Heat Loss > Elemental % > Fuel > in use carbon

**Life skill**

* Read this more than once before you start, often during and at least once after you think you are finished.
* Read with highlighter in hand and highlight the important issues that you need to address
* Check off the highlighted items against your work until you have done it all
* Add deadlines to your electronic diaries with advance warnings and alarm calls on days of submission and attendance and no not press snooze or you will snooze through life.

**2 or more spreadsheets and additional page(s) of assumptions/comments:**

* Learning from your previous elemental performance task
* Learning from your choice of methods of construction
* Learning from your choice of materials and finishes
* Update any or all of the above if you find they are not detailed enough (that applies to many of you)
* Keep in mind an ambition to stick to ‘Fabric-First’ approach
* Fabric-first means: very well insulated, airtight, thermal bridge-free construction
* Show and schedule details of the construction (if you did not in the previous task)
* Carry out U value Calculations for each of the external envelop elements
	1. (e.g. Basement walls & floor, Floor, walls, roof)
	2. and any elements between different temperatures
	3. (e.g. partitions and intermediate floors)
	4. Obtain U values from manufacturers literature for things like windows, doors, roof lights
	5. If you use manufacturer’s U value calculators or printed literature: copy out the calculation into a spreadsheet (not just the result)
	6. Dynamically link or copy your U value calculation results to the second of the calculator files listed above

**Populate the 2 calculators and get results**

Use File > save as > name your file (see below) so you keep the original file safe in case you delete a load of calculating cells by accident

Coloured cells are for you to populate

Yes/No (are conditional formatting so if you change the Yes to No it will turn from green to red all on its own)

Grey cells are doing calculations automatically with the numbers you add in to the coloured cells.

If the calculator does not work for your building do an additional page of calculations to get useful figures to complete the cells (e.g. highly geometrical shaped building)

You can overwrite a grey cell, that normally calculates, with a result.

Always check that the result of a calculation looks right to you, in case you put the information in the wrong cell.

If anyone gets really stuck email and arrange a skype call with me.

**Handing it in**

* hand in at the next lecture, on 3 No. A3 landscape paper;
* If you plan to use many A4 make sure the font is close to 10 point at A4
* If you use staple or footnote each (name and page number) so they can be found and read together
* File in dropbox homework folder, at latest midnight the day before lecture W10.
* If you have updated previous home works add them to their dropbox but add a number (starting with 2) for me to consider and improve your score if applicable.

**The deadline:**

* Will be midnight the day before the next lecture.
* Life skill: add it to your electronic diaries with advance warnings and early morning wake up calls, turn off snooze function and get up.
* But the files that arrive sooner will make me happier as a client.
* I will collect the last files at 04:00 am on the day of the lecture.
* If you miss the 12:59/00:00 deadline do the work anyway and do it as soon as possible, it will be taken into account in the final score minus points for lateness.

**The file naming convention:**

* So that you do not overwrite each other's work when you drop files into dropbox
* "W9 **your name** EBB7525 ERIED 2016.xls or xlsx or .pdf"
* depending upon the version and software you use.
* Do not add extra hyphens or brackets or gaps to the file name, do not close gaps that I put there.

Replacing previous homework files with a better one:

* **e.g.** "W2 **your name 2** EBB7525 ERIED 2016.doc” or .docx” or .pdf"

**DropBox** ([how dropbox works let column and scroll down](http://greenbuildingencyclopaedia.uk/encyclopaedia/files/lectures/lsbu-pgdip-architecture-2016/))

* I have opened and added your email addresses to a dropbox and invited you to visit to collect files and deliver files there too.
* I added subfolders which you will be able to see and I will collect your file and move it to the subfolder as I mark it.
* Let me know if you still have not had an invite to dropbox.

**Scoring: In the weeks context marking is: (7 points)**

* Was the assignment carried out?
* Was it on time?
* Was it delivered by dropbox?
* Was it delivered on paper at the lecture?
* Did the file name adopt the convention?
* Did it follow the homework brief?

**Scoping of resubmitted work**

* Did you upgrade your previous homework(s) in response to this one?
* If the previous score was low then they may be upgraded

Regards

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16th April 2016