Lincoln School of Architecture and the Built Environment

Programme – BArch (Hons.)
ARC-2003M Integrated Design
Credit Value – 30 CAT
Brief – An Interpretive Centre at Lincoln Medieval Bishops' Palace
Duration:　　　　　　Weeks 23 to 34
　　　　　　　　　　　Interim Review - Week 28
　　　　　　　　　　　Final Review - Week 33

Norwich Cathedral Refectory, Norwich 2004 (Hopkins Architects)

Role	Faculty	Office	email
Module Leader	Mark Olweny	NDH3012	MOlweny@lincoln.ac.uk
Studio Tutor	Mark Olweny (**Group A**)	NDH3012	MOlweny@lincoln.ac.uk
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1   BRIEF – An Interpretive Centre, Lincoln

An interpretive centre (also referred to as interpretation centres or visitor interpretive centres) are facilities and sites used for the dissemination of knowledge and information on natural or cultural heritage. Unlike museums, interpretation centres are less about the display of artifacts, but are more specific to the nature of the sites they are located in. Unlike traditional museums, an interpretive centre does not collect objects, their role is to help communicate the significance and meaning of heritage, aided by specifically designed spaces and associated displays.

2   PROJECT PROGRAMME

The Interpretive Centre is geared to engage the public with the history of medieval Lincoln, taking cues from the ruins of the Medieval Bishops' Palace. Your proposal should seek to celebrate the site, acknowledging its historic value, while engaging with the needs of contemporary society. Your design proposal, should as a minimum provide the following spaces:
- Reception / Foyer (50 sq.m.)
- Restaurant /Café/Bar (150 sq.m.) with associated kitchen (50 sq.m.)
- Function room for up to 100 guests (200 sq.m.)
- Souvenir shop (50 sq.m.)
- Display Space (100 sq.m.)
- Storage/plant room
- Administrative Offices and associated facilities for four (4) people (50 sq.m.) + Kitchenette.
- Service yard (for deliveries and removal of waste)
- WCs (As required by regulations)

Design explorations are required to address the following:
- Fire safety and fire escape strategies
- Inclusive design
- Acoustic requirements related to the Function Room.
- Exploration of construction and materials and structural adequacy

3   THE SITE

The site for the proposed Interpretative Centre is the Lincoln Medieval Bishops' Palace, adjacent to the Lincoln Cathedral. It is situated between the Old Palace, and the Old Archbishops Palace.

Figure 1: Site image.
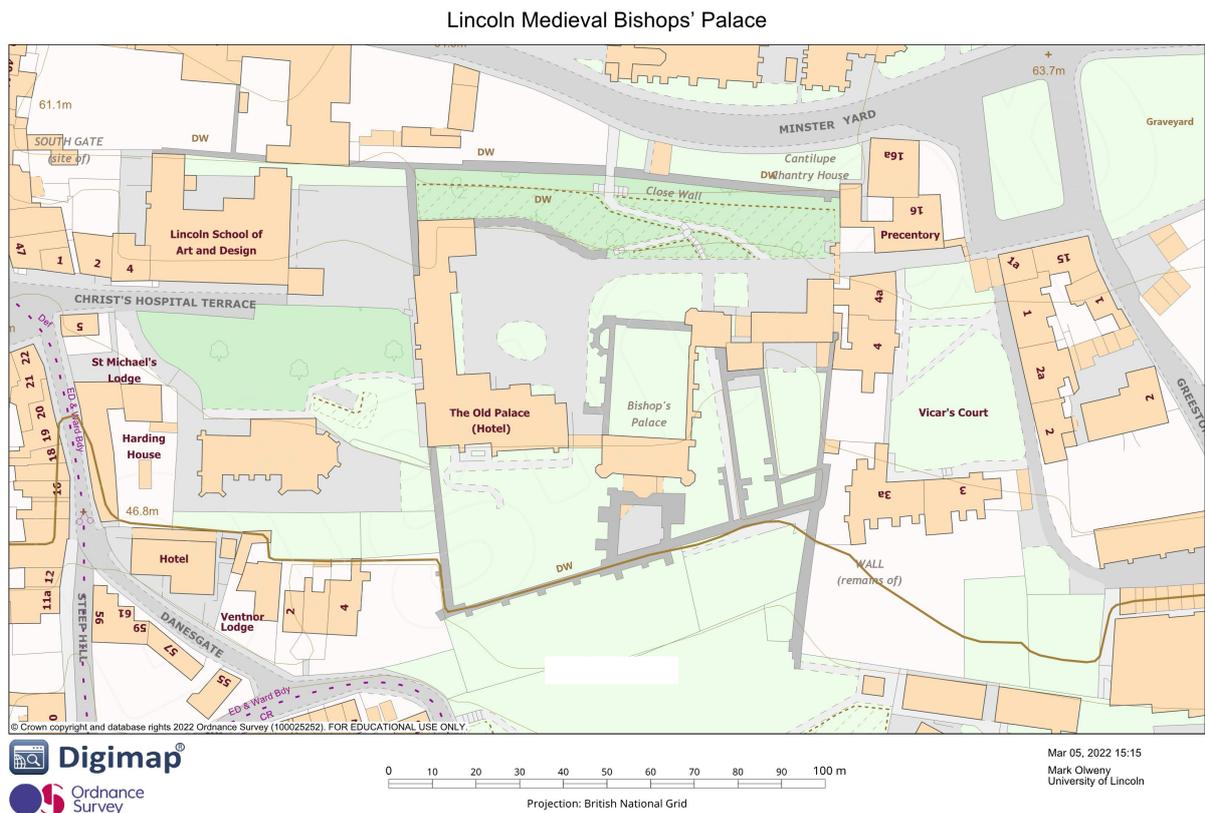
Lincoln Medieval Bishops' Palace

Figure 2: Site location plan.

4   MODULE LEARNING OUTCOMES

On conclusion of this module, your design response should demonstrate the achievement of the following learning outcomes:

LO1 – Work collaboratively as a member of a team.
LO2 – Reflect on design intentions, approaches and processes, through drawing, physical models and other means.
LO3 – Create a considered architectural response to a defined problem.
LO4 – Undertake the design of a building considering the integration of structure, materials and construction methods.
LO5 – Communicate design ideas clearly and professionally using oral, visual communication modes.
LO6 – Prepare and present a professional CV or resume and design portfolio.

5   MODULE ORGANISATION

Lectures:	Tuesday 9am -10am (Weeks 23-25, 29-32).
	Thursday 9am -10am (Weeks 23-25, 29-32).
Tutorials:	Tuesday 10:30am – 2pm (Weeks 23-25, 29-32)
Studio:	Thursday 10:30am – 3pm (Weeks 23-25, 29-32)
Interim Crit:	Tuesday / Thursday (Week 28 - Online)
Final Crit:	Tuesday / Thursday (Week 33 - Online)

6   WEEKLY SCHEDULE OF ACTIVITIES

The following schedule is intended to help guide you in your process through the module. These targets should be regarded as the minimum requirements that you should achieve in order to keep up with the requirements of the module. The schedule is also available on Blackboard under 'Module Content'.

Week 23 (14/03/2022): **Activities – Introduction to Module**
During the briefing lecture this week, you will receive an introduction to the module. For this initial phase of the module, you will be required to undertake preliminary research and analysis investigating the site and its context. There will be an organised site visit on **Wednesday 16th March 2022** to the **Lincoln Medieval Bishops' Palace**. Each Studio group will be given a tour of the site by the architects representative Adam Lewis. It is important that all students wear appropriate clothing, in particular closed toe shoes**.**

Week 24 (21/03/2022): **Activities – Heritage Assessment and Context**
It is essential that we gain an appreciation and understanding of the cultural and heritage significance of place as a precursor to making design propositions. This week we will use the information we have gathered during Week 23 to formulate a Heritage Assessment document that provides your studio group with information of the built fabric that exists, its significance, the materials of these elements. While traditionally this process culminates in a formal dilapidation report, the task here is to be able to highlight the existing components of the site that could be the basis for your design proposals, and to help in making informed decisions of what you would like to retain.

The Site will be divided into sections, with each student completing a maximum of two A3 sheets for their section of the site (Landscape Format).

Week 25 (28/03/2022): **Activities – Concept Formulation / Design Statement**
Following from the understanding of the site in the previous week, this week we will look to consolidate the information garnered as part of the initial research phase by formulating our individual design statements that provide an indication of how you would like to approach the design project. A design statement lays out the architect's vision of the project, providing a goal for project stakeholders to work toward. Design statements are essential parts of the planning process. In this case we will not be completing a full design statement, but a short statement of no more than 250 works that gives your tutor and studio group and indication of the direction you wish to take the design project. This can be supplemented by images that help explain your ides. The Design statement should be presented on a single A3 sheet of paper (Landscape Format).

Week 26 (04/04/2022): **Easter Break – Design Development**
There are no formally scheduled activities this week. Nevertheless, you are strongly advised to make progress is investigating precedents and undertaking design explorations based on your design statements and your appreciation of the project brief.

Week 27 (11/04/2022): **Easter Break – Design Development**
There are no formally scheduled activities this week. Nevertheless, you are strongly advised to make progress is investigating precedents and undertaking design explorations based on your design statements and your appreciation of the project brief.

Week 28 (18/04/2022): **Activities – Design Development**
At the formal studio session on Thursday 21st April, this will be your chance to present your outline design proposal you have been working on, in preparation for the interim review in Week 29. It will be important that all students attend this session as it will be the only formal studio before the review session.

Week 29 (25/04/2022): **Activities – Mid Module Review**
This week we prepare for the interim review, scheduled for Tuesday 26th April and Thursday 28th April (Online). The interim review is an opportunity to present your progress to a wider audience, and to receive comments and feedback beyond your studio group. In doing so, you gain additional comments and feedback to help you with your design development process. The interim review also serves as a milestone for the studio cohort to assess its progress.

For the interim review, you are required to present the outputs from the preceding weeks (Weeks 24-28) to showcase your progress, but also to position your work such that you can solicit useful feedback to allow you to further develop your design.

REQUIREMENTS - Interim Review Outline Requirements

The requirements below serve as requirements that you are to provide for the outline review. Also provided are suggestions for some of the elements you need to include to give the audience and appreciation of your proposal. Presentations will be on a maximum of 10 slides (Aspect Ratio 16:10, Screen Resolution 1680 pixels x 1050 pixels):

- Cover Page (With your name and project title (**Not included in page count**).
- Summary of the analysis undertaken; related to the site and building typologies (**Max. two (2) slides**).
- Design idea(s) underpinning the proposal (**Max. one (1) slide**)
- Analysis of key precedents that have been useful in the development of your design proposal (**Max. two (2) slides**)
- Ideas development through drawings and models showing the relationship to the site and its context (**Max. five (5) slides**)

The above can be demonstrated through photographs, drawings, collages, photographs of physical models, installations, etc. Where plans, sections and elevations are presented, these should be accompanied by a graphics scale. Site plans and sections should be the same scale. Likewise, building plans sections and elevations should also be to the same scale.

You need to be selective in what you present, appreciating that the interim presentation is where you gain feedback on your design progress and design proposal. Do note that this presentation should only be a key summary of the work you have undertaken. The progress work that has been undertaken should be included in a separate PDF file (A3 format) to be submitted at the end of the module.

Your presentation slides must be uploaded onto Blackboard as a single PDF file before **9am** on **Tuesday 26th April**. Please ensure the file is appropriately labelled as follows: **SurnameFirstInitial_StudentNumber_Presentation.pdf**

Week 30 (02/05/2022): **Activities: Test and apply: Design Development**

Following the mid module review, you should have taken the feedback and began working on moving the design forward and looking specifically at some of the more specific aspects of the design resolution. By this stage, you would need to have been working to resolve layout and space planning issues, fenestration and fire egress strategies, and materials and composition. Design development is a circular process involving exploration and testing of ideas based on an appreciation of aesthetic sensibilities and associated spatial requirements, construction, among other requirements.

Week 31 (09/05/2021): **Activities: Test and apply: Design Development**

Making use of outputs from the past week, your own research, and information from the lectures, this week should be used to explore and test ideas based on the findings of the earlier exercise. Explorations will take a variety of forms but should include exploration through drawings and physical models. Design development is a circular process involving exploration and testing of ideas based on an appreciation of aesthetic sensibilities and associated spatial requirements, construction, among other requirements.

Week 32 (16/05/2022): **Activities: Test and apply: Design Development**
This week should be spent working towards finalising your designs and planning for your final presentation. The focus should be on consolidating the ideas and ensuring you have a resolved design proposal that addresses the pragmatic needs of an Interpretive Centre on this heritage site. It is important that you plan how you will present your work to the audience, explore how you will be presenting your design though appropriate drawings and models (physical and digital).

Week 33 (23/05/2022): Final Presentation (Tuesday and Thursday)
The Final Review is to showcase the design resolution on completion of the module. This is where the collective development and learning for the module are assessed as part of a formal review session with a panel of tutors. For this module, the presentation will be making full use of the electronic media that is increasingly a reality today as part of LO5. The presentation will be on a maximum of 12 slides, each with a screen aspect ratio of 16:10 (Screen resolution of 1680 pixels x 1050 pixels). An additional slide (13th) will be your single slide CV.). Accompanying this presentation will be supporting documentation submitted in an A3 size document (Landscape format).

This presentation should not just be reduced versions of the work that goes in the portfolio, but as a means to highlight the design as succinctly as possible through a visual presentation. The submission you make should showcase your design, with the following provided as suggested requirements:
- A summary of your analysis (brief, site and precedents)
- Final presentation models showcasing the project in its context
- Location plans
- Site layout plan
- Key Floor Plans (Ground floor plan should show landscape plan, including hardscapes (parking, access paths, paving), any softscapes (planting, and any grassed areas), lighting, seating etc).
- Key building elevations, sections, and perspectives to showcase the proposal.
- Detail of a selected proportion of the building at 1:20 or 1:10 of a key part of the building that show the relationship between a section of the plan, elevation, and section through the exterior wall.
- CV – One page

All work should be uploaded onto Blackboard before 9 AM on the day of the Review. Please ensure the files you submit are appropriately labelled in the following format **SurnameFirstInitial_StudentNumber_Presentation.pdf**

Week 34 (30/05/2022): Final Submission
This final submission should be a single file document that contains the design development process, and the final design solution. This should be presented in an A3 formatted PDF file (Landscape format). All work should be uploaded onto Blackboard before 5 pm on Thursday 2nd June 2022. Please ensure the files you submit are appropriately labelled in the following format:
SurnameFirstInitial_StudentNumber_Support.pdf

7   REFERENCE MATERIAL

Useful Databases:
Detail Inspiration (Access via the UoL Library Databases):
https://inspiration-detail-de.proxy.library.lincoln.ac.uk/startseite.html?lang=en

Art and Architecture Complete (Access via the UoL Library Databases):
https://guides.library.lincoln.ac.uk/aac

Useful References:
Allen, E., and Iano, J. (2009) Fundamentals of building construction: Materials and methods, Fifth Edition, Hoboken, N.J.: John Wiley and Sons.

Allen, E., and Iano, J. (2012) The architect's studio companion: Rules of thumb for preliminary design, 5th Edition, Hoboken, N.J.: John Wiley & Sons

Baden-Powell, C., Hetreed, J., Ross, A. (2017) *Architect's pocketbook,* London: Routledge.

Bramston, D., Ye Li, (2016) *Idea searching for design: How to research and develop design concepts*, Second Edition, London: Fairchild Books.

Brand, S. (1997) How buildings learn what happens after they're built, Revised Edition, London: Phoenix.

Bucsescu, D. and Eng, M. (2009) *Looking Beyond the Structure: Critical Thinking for Designers and Architects*, London: Fairchild Books.

DeKay, M. and Brown, G.Z. (2014) *Sun, wind & light: Architectural design strategies,* Hoboken, N.J.: Wiley.

Deplazes A. (Editor) (2013) Constructing architecture: Materials, processes, structures. A handbook, Basel: Birkhäuser.

Goldberger, P. (2009) Why Architecture Matters, New Haven: Yale University Press.

Hegger, M., Auch-Schwelk, V., Fuchs, M., and Rosenkranz, T. (2006) *Construction Materials Manual*, Basel, Walter de Gruyter GmbH

Herzog, T., Krippner, R. and Lang, W. (2004) Facade construction manual, Basel: Birkhäuser.

Knaack, U., Auer, T., Bilow, M., and Klein, T. (2004) Façades: Principles of Construction, Second Revised edition. Basel: Birkhäuser.

Margolis, E. and Pauwels, L. (2011) *The SAGE handbook of visual research methods*, Los Angeles: SAGE, 2011

Millais, M. (2005) Building structures: From concepts to design, London: Spon.

Plowright, P.D. (2014) *Revealing architectural design: Methods, frameworks and tools*, London: Routledge.

Radford, A., Morkoç, S.B. and Srivastava, A. (2014) The Elements of Modern Architecture: Understanding Contemporary Buildings, London: Thames and Hudson.

Zukowsky, J. and Polley, R. (2018) *Architecture inside-out: Understanding how buildings work*, New York: Rizzoli International Publications.

ARC-2003M Integrated Design
Professional CV / Online Portfolio

Preparation of good quality CVs and Portfolios are important for your employability. Significantly, you will need to have a CV and Portfolio ready when you start seeking employment in the future.

Having a CV that stands out is an important part of seeking employment. Prospective employers receive numerous CVs, and it is important that you make yours distinct to grab the attention of the recruiter.

In general, your CV should be no longer than **two pages (A4)**. As far as possible, try to craft it for a job you are targeting (Although you may not have a specific job in mind, you can still target an employer you desire to work for).

A CV can either be **skills-based** or **chronological**. The former is more appropriate is you have significant experience that you want to show off. For most students, the **chronological** CV is most appropriate. Chronological CVs are presented in reverse order (most recent education/experience presented first).

Key things to include:
1 - Name and Contact Details
Please include professional social media handles (Twitter, Instagram, LinkedIn – Only if these are not filled with personal stuff). Email addresses should also be identifiable as yours – set up new account with your real name.

2 - Personal Statement
Although not compulsory, personal statements are useful if they are strong. Do not write long paragraphs here.

3 - Educational Qualifications
Listed in reverse chronological order. Only include A-Level/Matriculation, and if necessary, GCSE as well.

4 - Employment History
If you have been employed, do include (relevant) employment history, highlighting key skills and responsibilities.

Do make use of the RIBA CV template that is available on the RIBA Website <jobs.architecture.com/article/riba-cv-guidelines/>. Please ***proofread and spellcheck*** your Resume/CV. *Do not rely on the computer, it cannot check for homonyms or words used incorrectly.*

In addition to your CV, you are required to curate a space for yourself on the University of Lincoln Creative Showcase <creativeshowcase.lincoln.ac.uk>. The Creative Showcase website is where students from all creative disciplines can exhibit their best work. It is in essence a free **first 'port of call'** for employers looking to employ recent graduates. It is also an opportunity to view each other's work. Once you have created your online space, you are able to update your profile as your creative outputs develop.

A portfolio is essential for a career in architecture, and a means to showcase **design skills**, **technical abilities**, and range of **experience**. A portfolio **communicates your personal brand** and your progress in your academic journey. It is important that you curated your portfolio, you may wish to look at previous work uploaded onto the site. **Do note that any work you upload must be yours and only yours.**

Once you have set up your profile, by logging in with your University of Lincoln email address and password. You then click the Create Showcase" button on the top left of the screen. You will then be able to upload images of your work and write a brief statement about yourself.

You are restricted to no more than four (4) images, appreciating that these may be viewed on a small screen and in landscape format. This means restricting the resolution to no more than 150dpi (This is good practice for any images you wish to view digitally – They also load faster). Only if you have to print do you need images of a higher resolution).

Keep the write up short - do not waffle. Check for spelling and grammatical errors. These are glaringly obvious to someone else, so get a friend to help proofread your work - For the write-up and the CV.

Due Date: CV - **Monday 20th March 2023** (Submit to BlackBoard)
                Portfolio - **Monday 20th March 2023** (Submit to Creative Showcase)

ARC-2003M Integrated Design
Progress Review

For this progress review, you will have a chance to present your outline design proposal to your tutors and peers. This session is important to ensure you are progressing steadily through the course and are addressing the requirements of the module. It is important that all students attend this session as participation counts toward **LO1 – Work Collaboratively as a member of a team or group**. To fulfil this requirement, each student presenting will be required to nominate one of their peers to take notes from the feedback given by the tutors and peers on the day.

Deliverables
For the progress review, you are required to present the outline design of your Visitor Centre, taking account of the weekly progress reviews and the feedback/feedforward provided by your peers and tutors.

REQUIREMENTS - Interim Review Outline Requirements
Presentations will be on a maximum of 10 slides (Aspect Ratio 16:9, Screen Resolution 1920 pixels x 1080 pixels). Do note that the resolution of PowerPoint and Keynote which use screen resolution (**given in Pixels**), which is different from graphics programs that use print resolution (**given in Dots-Per-Inch**). Do not confuse the two.
Your presentation document should include the following slides:
- Cover Page (With your name and project title (**Not included in page count**).
- Your Design Brief (**Max. one (1) slide**).
- Design idea(s) underpinning the proposal (**Max. one (1) slide**)
- Summary of the analysis undertaken; related to the site and building typologies (**Max. two (2) slides**).
- Analysis of key precedents that have been useful in the development of your design proposal (**Max. two (2) slides**)
- Ideas development through drawings and models showing the relationship to the site and its context (**Max. five (5) slides**)

Following are suggestions of what is needed for this presentation. The requirements below are the minimum that you are to provide for the progress review. Ensure you include information to give the audience an appreciation of your proposal and the key design driver/design idea. In terms of design development, make use of drawings, collages, photographs of physical models, etc. to demonstrate your idea. Where you have progressed to space planning with plans, sections and elevations, these should be accompanied by a graphics scale at the same scale to facilitate comparison between drawings (**Not optional**).

You need to be selective in what you present, appreciating that the interim presentation is where you gain feedback on your design progress and design proposal. Do note that this presentation should only be a summary of the work you have undertaken and you should present work that communicates where you are at this stage of the module.

Presentation slides must be uploaded onto Blackboard as a single PDF file before **9am** on **Thursday 23rd March 2023**. Please ensure the file is appropriately labelled as follows: **SurnameFirstInitial_StudentNumber_Presentation.pdf**

ARC-2003M Integrated Design
Final Review

For this final review, you will present your resolved design proposals to your tutors and peers as a digital-based presentation. You will have a **maximum of 15 slides** (Including the cover page) to showcase your projects. Unlike poster presentations where the entire board is visible at once, with digital presentations, the presentation is sequential. It is therefore necessary to make the most of this to help in communicating your design idea and architectural proposal.

The presentation does have a time limit, no more than six (6) minutes for your entire presentation, followed by feedback. As this is a digital presentation, you are able to take advantage of the opportunities that this medium offers to engage the viewers with your project. This means you are welcome to make the most of the range of digital-based presentation tools you have, as long as you do not exceed the six (6) minutes allocated to each student and get to present the key aspects of the design and incorporate into the presentation the basic requirements of the presentation.

The goal is to present a project that addresses the requirements of the brief for a visitor centre that celebrates a key individual, group or theme. Each student would have a specific design brief and building programme from which you are designing. This will need to be included as part of the presentation. Note, this presentation is directed to potential clients and therefore needs to be complete in the information it is presenting.

It is important that all students attend this session as participation counts toward **LO1 – Work Collaboratively as a member of a team or group;** and **LO5 - Communicate design ideas clearly and professionally using oral, visual communication modes**. Each student presenting will be required to nominate one of their peers to take notes from the feedback given by the tutors and peers on the day.

Deliverables
For this final review, you are to present the outline design of your Visitor Centre, taking account of the weekly progress reviews and the feedback/feedforward provided by your peers and tutors.

Outline Requirements
Presentations will be on a maximum of 10 slides (Aspect Ratio 16:9, Screen Resolution 1920 pixels x 1080 pixels). Do note that the resolution of PowerPoint and Keynote which use screen resolution (**given in Pixels**) is different from graphics programs that use print resolution (**given in Dots-Per-Inch**). Do not confuse the two. It is important to work with print resolution and import the files into the presentation programmes, keeping in mind the file size. Hint: When saving images for on-screen presentations, do not use anything beyond 150DPI).
Your presentation document should include the following slides:
- Cover Page (With your name and project title.
- Your Design Brief (**One (1) slide**).
- Design idea(s) underpinning the proposal (**One (1) slide**)
- Summary of the analysis undertaken; related to the site and building typologies (**Two (2) slides**).
- Precedents of key precedents that have been useful in the development of your design proposal (**One (1) slide**)

- Ideas development through drawings and models showing the relationship to the site and its context (**Maximum of ten (10) slides**)

Ensure you include information to give the audience an appreciation of how your design proposal addresses the design brief for your specific visitor centre. and the key design driver/design idea. In terms of design development, make use of drawings, collages, photographs of physical models, etc. to demonstrate your idea. Where you have progressed to space planning with plans, sections and elevations, these should be accompanied by a graphics scale at the same scale to facilitate comparison between drawings (**Not optional**).

You need to be selective in what you present, appreciating that the interim presentation is where you gain feedback on your design progress and design proposal. Do note that this presentation should only be a summary of the work you have undertaken and you should present work that communicates where you are at this stage of the module.

Presentation slides must be uploaded onto Blackboard as a single PDF file before **9am** on **Thursday 18th May 2023**. Please ensure the file is appropriately labelled as follows: **SurnameFirstInitial_StudentNumber_Presentation.pdf**