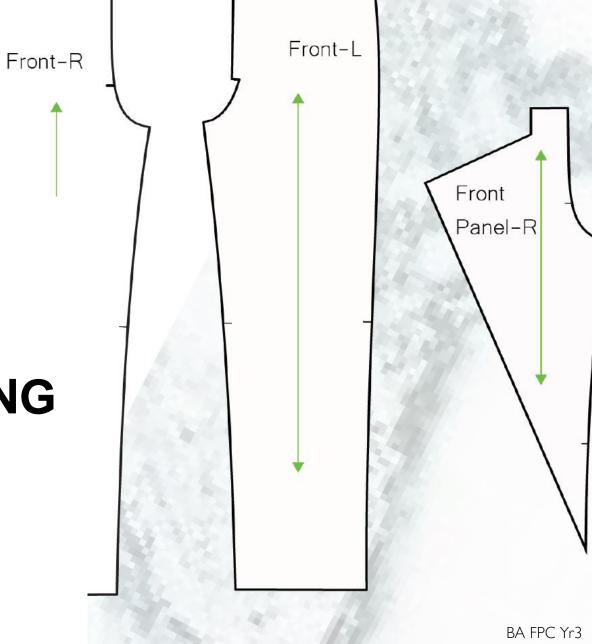


ADAPTIVE TEACHING OF DIGITAL PATTERN CUTTING

SHARON BLACKFORD & ASHLEY DUNCAN



the true right and the left was the true left.

WHO ARE WE?





ASHLEY DUNCAN Lecturer in Fashion CAD/CAM

SHARON BLACKFORD

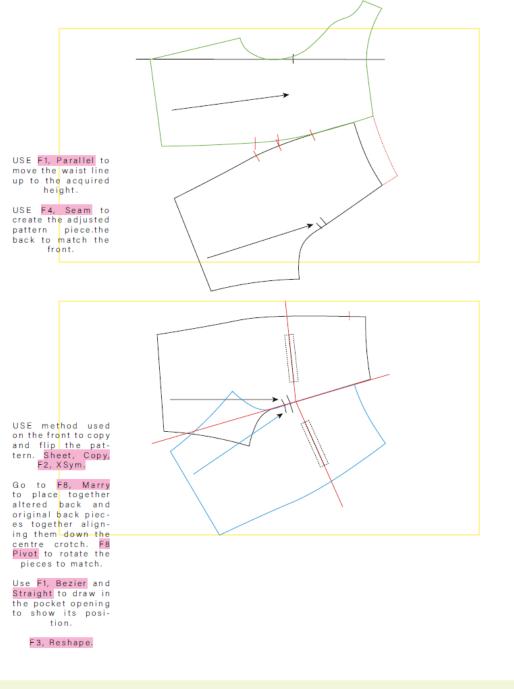
Senior CAD/CAM Lecturer SDT

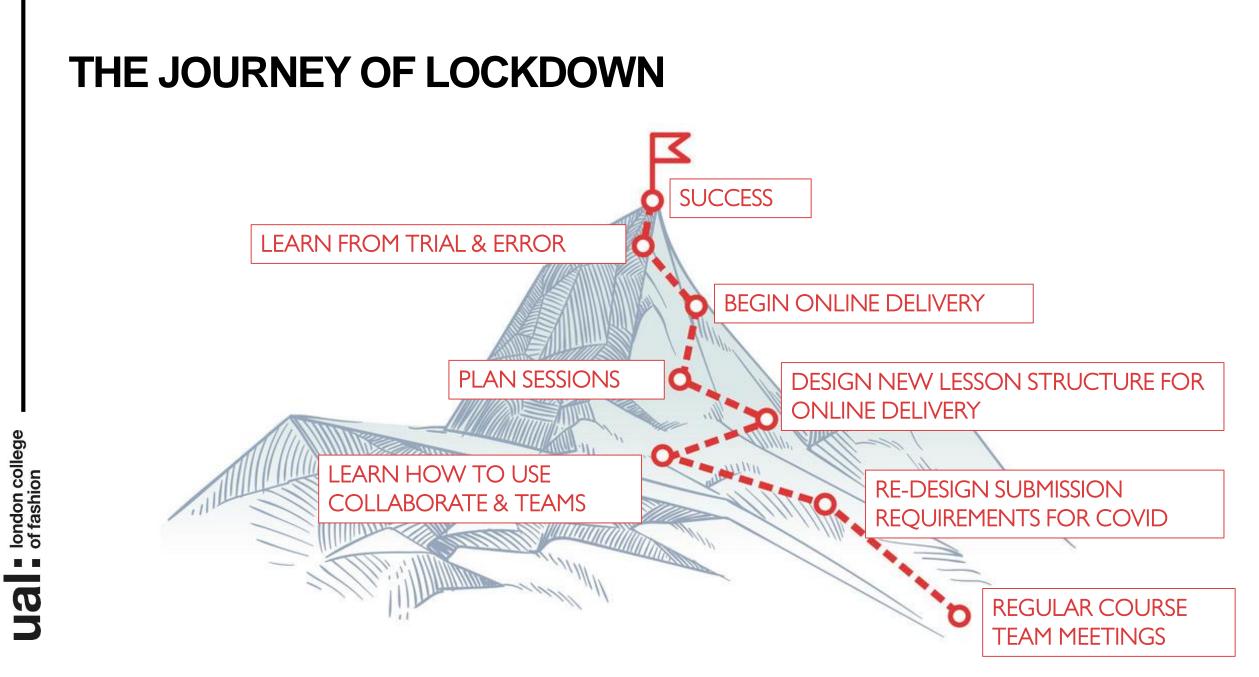
ADAPTIVE DIGITAL PATTERN CUTTING

The Dilemma...

How do you teach a software when the students can't access the software?

This presentation will detail, explore and analyse the strategies and transformations made to both practice and delivery in order to facilitate inclusion and parity for all students during COVID digital pattern cutting sessions.





WHAT DO THE STUDENTS HAVE ACCESS TO?

- No access to site
- Located worldwide
- We assume all students have access to a laptop or desktop computer.
- Student licences for Lectra are available, but not all students have access due to laptop compatibility.
- No Student licences to Optitex or Gerber.
- No access to specialist hardware related to the software delivery.
- Access to the Adobe Suite.



ADAPTING TO A CHANGED ENVIRONMENT

- Conscious not to shy away from the software knowing students would still be required to use the software on their return to site.
- Understanding the medium; recreating the user experience of Lectra for online delivery by capitalising on prior Lectra learning.
- Design digital content to ensure student engagement and attainment (PowerPoints & demos).
- Resources developed to support this mode of learning:
 - Crib sheets/handouts
 - Worksheets
 - 1/4 and 1/2 scale blocks

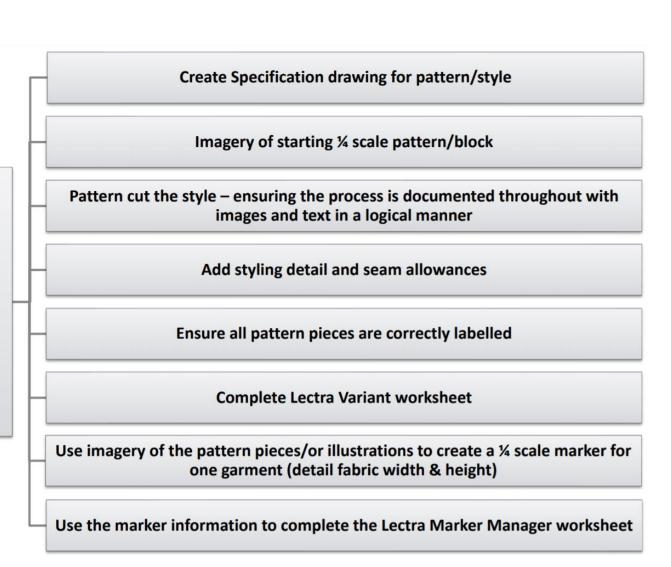


RE-DESIGNING THE SUBMISSION REQUIREMENTS

- Technical Sketch of garment
- Evidence of the block being used.

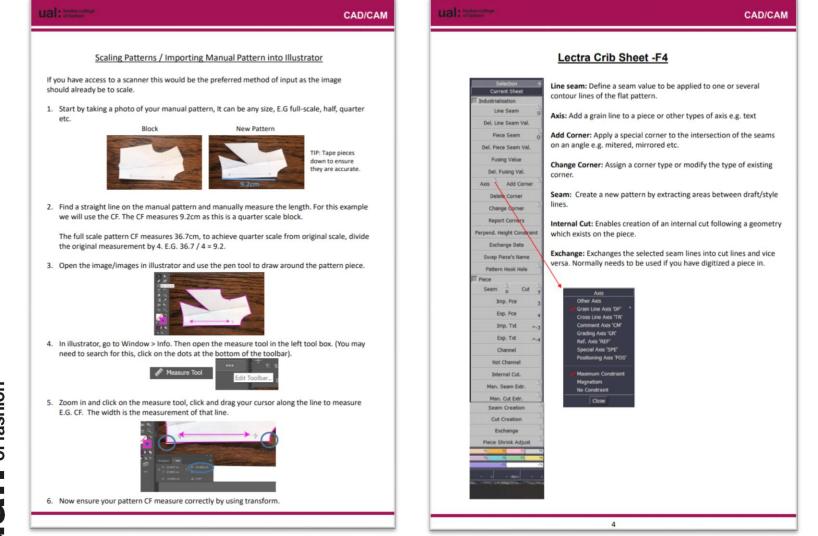
ECTRA WORKFLOW

- Develop a proposed workflow of how the pattern would be created using the software.
- Evidence of a final production pattern
- Lectra worksheets Variant, Marker Manager.
- ¼ scale lay-plan created on illustrator.



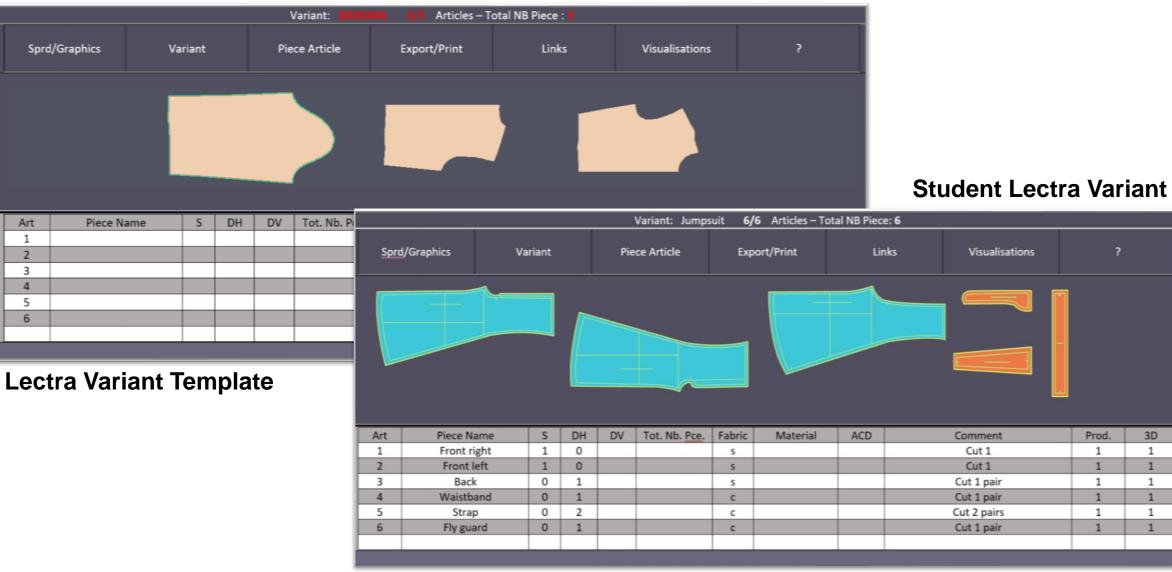
Ual fondon college of fashion

LECTRA LEARNING RESOURCES





ENGAGEMENT WITH LEARNING RESOURCES



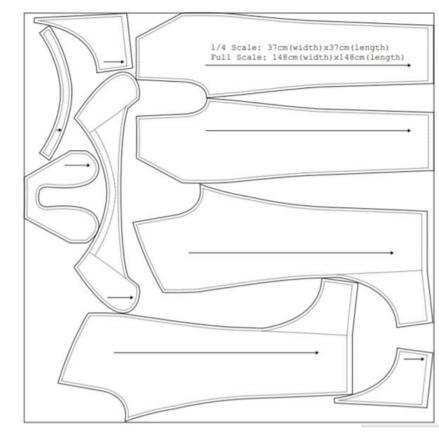
3D

ENGAGEMENT WITH LEARNING RESOURCES

Wrap-Around Trousers Marker Manager

| Constr | raints | Marker | Sheet | Auto. Lists | | | Lectra Modaris | . 17 | | | | |
|--------|--------------|---------------|-------|-------------|---|-----------------|----------------|------|---------------|------------|--------|-----|
| 1 | | | | | | | | | | | | |
| 🔤 Ch | aracteris | tics | Δ Σ | Motif | | | | | | | | |
| Gener | ralities | | | | | Fabric | | | | Tolerances | | |
| | Name: LC-TRS | | | | | Width: | | | | | | |
| | Code: | | | | | Maximum Length: | | | | | | |
| Cor | mment: | | | | | Selvage: | | | | edges: | | - I |
| | | | | | | Fabric type: | S | | | | I 💦 📖 | |
| | | | | | 4 | rabite type. | 5 | | | | | |
| | | | | | | Presentation: | | ▼ | | | та 近 . | |
| Compo | osition | 1 - 17 | | | | | | | | | | |
| | Group | Model | | | | Variant | Size | Qty | Direction | Comment | | |
| 1 | | LC-T | KS | _ | | LC-TRS | 12 | 1 | ⇒ 4 | | | |
| 2 | _ | _ | _ | _ | _ | _ | _ | _ | | | | _ |
| 4 | | | | _ | | | | | | | | _ |
| 5 | | | | | | | | | | | | |
| Re | sults | | | | | | | | | | | |

Wrap-Around Trousers Layplan



Marker

Marker Manager

TEAMS & COLLABORATE ULTRA

- Regular FPC team meetings on 'Teams' to plan what we are going to do, but also learn how to use teams.
- Engaging in the 'LCF Learning & Teaching Team' with Nick Almond & Sheldon Chow – Very Helpful.
- Watch videos uploaded on Canvas.
- Attended training sessions for Collaborate Ultra with Sheldon's team, as well as knowledge exchange within the school and course teams.
- Practice on Collaborate between us.
- Begin teaching Trial & Error
- Have a meltdown...

This session may be recorded



Raise your hand to ask questions or of any audio or video problems



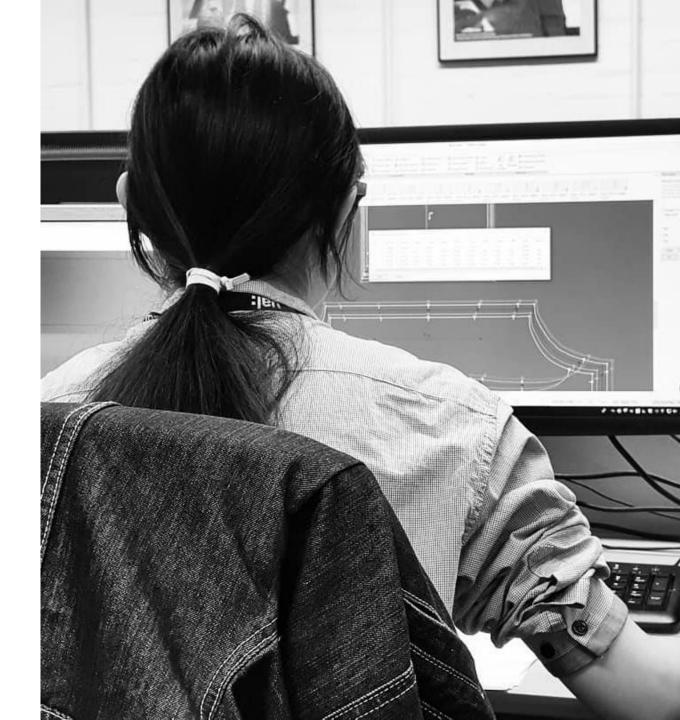
Change your status to provide simpl to step away during the session

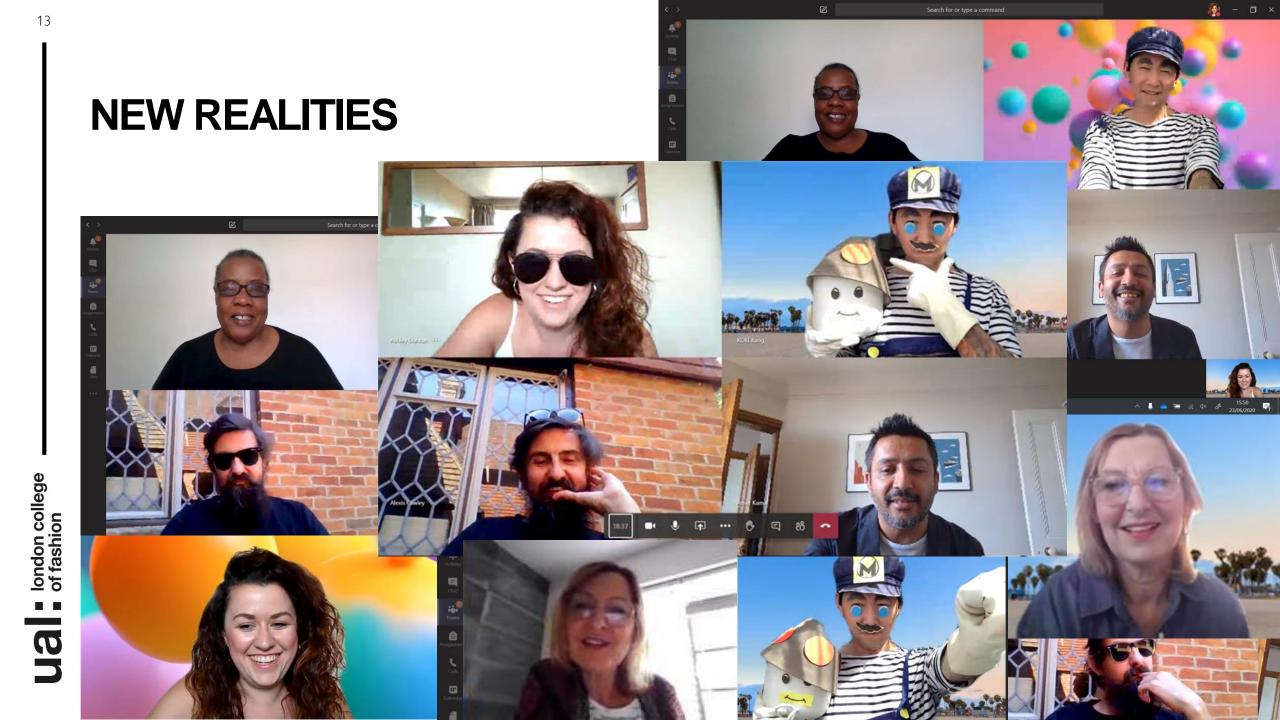


Open the control panel on the botto Chat and session settings

BASIC LESSON STRUCTURE

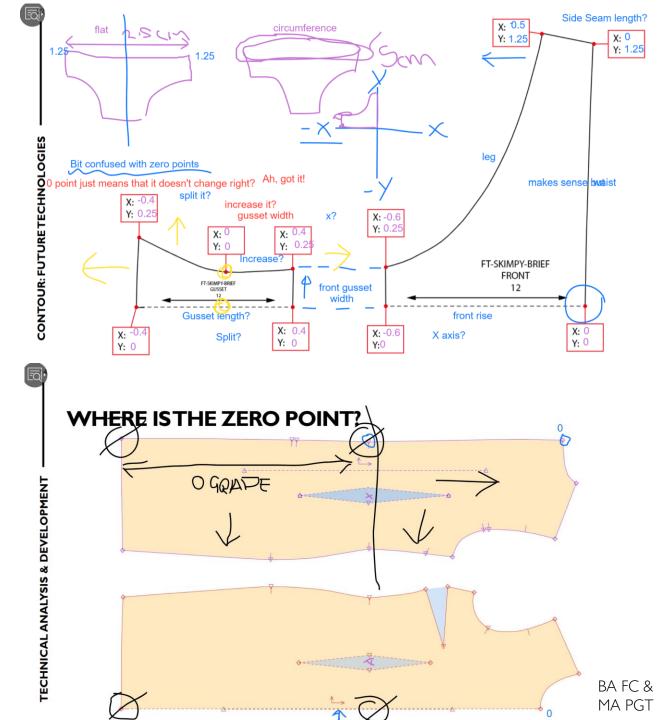
- Maximum 2hrs long
- Themes of lessons we mostly manage to stick to which was on the original SOW.
- Begin with PowerPoint presentation
- Set students a task
- Software demo





EXAMPLES OF ONLINE PRACTICE: WHITEBOARD

- Was great to engage the students and aid discussion
- It was inclusive as it is anonymous therefore we found lots of the students engaged with the use of the whiteboard to:
 - Respond to questions
 - Ask questions
 - Draw images to aid explanation
 - Give feedback.



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Type here (value 6cm) Valking Pieces close dart Seam If you pivot the dart down you If you pivot the dart down you will create a flare trouser hence extraxt the waistband first will create a flare trouser

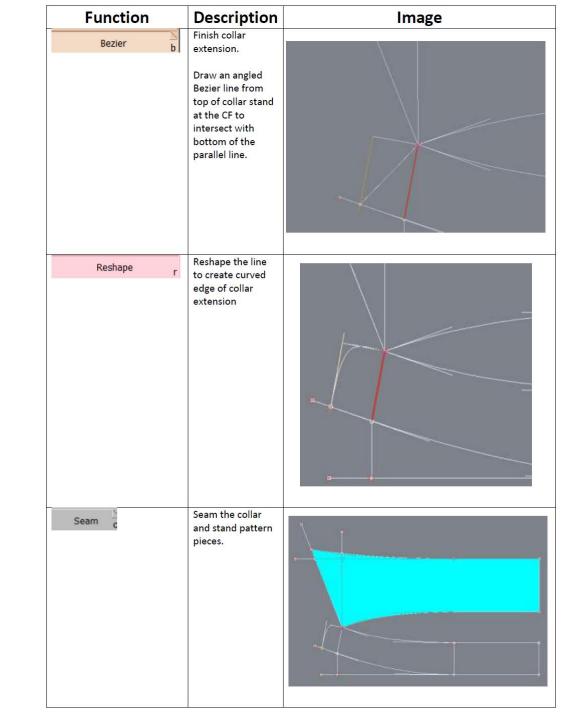
Exact : Iondon college of fashion

Variant

| Art | Piece Name | s | DH | DV | Tot. Nb. Pce. | Fabric | Mat- erial | ACD | Comment | Prod. | ЗD |
|-----|-------------|----|----|----|---------------------|--------|---------------|-----|---------------------|-------|-------|
| 1 | Front | | 21 | | 2 | S | | | cut 1 pair self | 1 | 1 |
| 2 | Back | | 1 | | 2 | S | | | cut 1 pair | 1 | 1 |
| 3 | pocket | | 1 | | 2 | S | | | cut 1 pair | 2 | 1 |
| 4 | back waist | 01 | 1 | | 215 | S | | | cut i i self | 1 | 1 |
| 5 | right waist | 11 | 1 | | 21 | S | | | Cut 1 | 1 | 1 |
| 6 | left waist | 10 | 1 | | ² 1 1 | ss | | | C _{cut 1} | 1 | 1 |
| 7 | fly facing | 1 | | | 11 | S | | | ୍ରାପut 1 | 1 | 0 |
| 8 | fly guard | 1 | | | 1 | L? | | | CUT 1 | 1 | 0 |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | BA | + FPC |

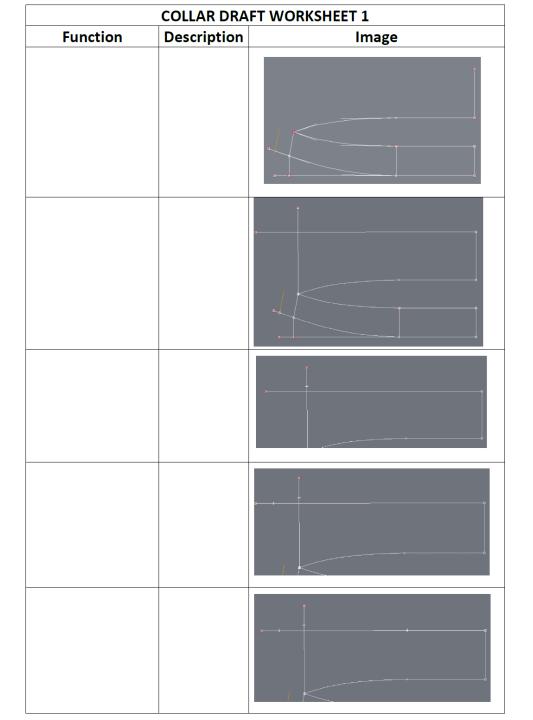
EXAMPLES OF ONLINE PRACTICE: TASKS

- Used to encourage active learning and ensure engagement in the techniques being delivered.
- Tasks used to embed the understanding of the submission requirements
- Examples:
 - Collar workflow using Lectra functions
 - Complete variant worksheets
 - Complete marker manager worksheet
 - Pattern pieces used for 3D simulation
 - Grade plans



EXAMPLES OF ONLINE PRACTICE: BREAKOUT GROUPS

- Require a lot of planning
- Challenging to navigate and keep up students participation as it highlighted when students did not participate and there was nowhere to hide.
- A lot of support was required to facilitate the groups.
- The collar task went well and understanding was solidified.



CHALLENGES

- Knowing if the students are engaging.
- It can be difficult at times to gain student feedback
- When sharing our screen to demo the software it must be share screen, rather than application – otherwise not all of the functionalities can be seen, due to pop up windows.
- Requiring multiple devices or support, as when demoing software we are unable to see the chat box, so we relied on technical support to let us know if any students were asking questions.
- Connection issues and having to abandon lessons.

No Internet Connection

Slow or no Internet connection

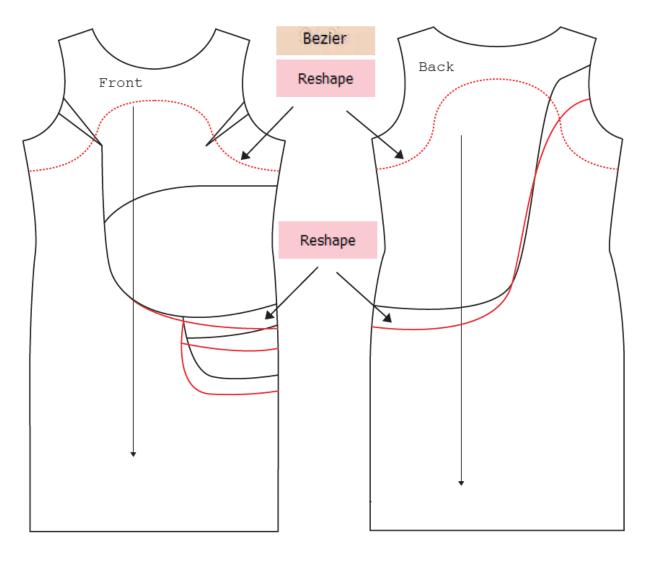
Check your connection or try again

TRY AGAIN

NEW PARADIGM

- New transformed method of delivering software that allows students to engage with Lectra or other software in an alternative way.
- Inclusive of all the students whether they have access to the software or not – so they can all engage with the technology.
- This mode of delivery would never have been considered if it wasn't for lockdown.
- Students were overall accepting of the changes and submitted good work.

"it was really helpful to think about Lectra in an alternative way and apply to our own garments which we remember more than set tasks."

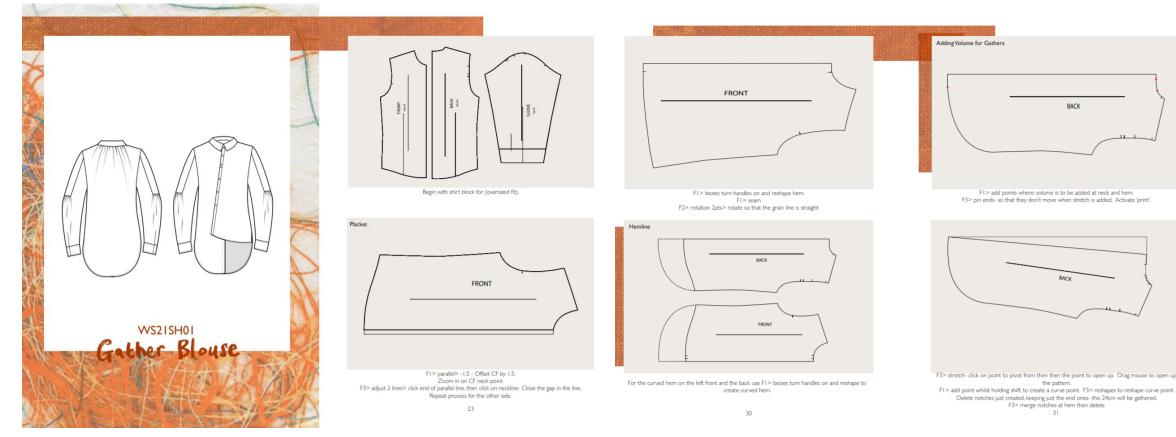


FPC Year 2



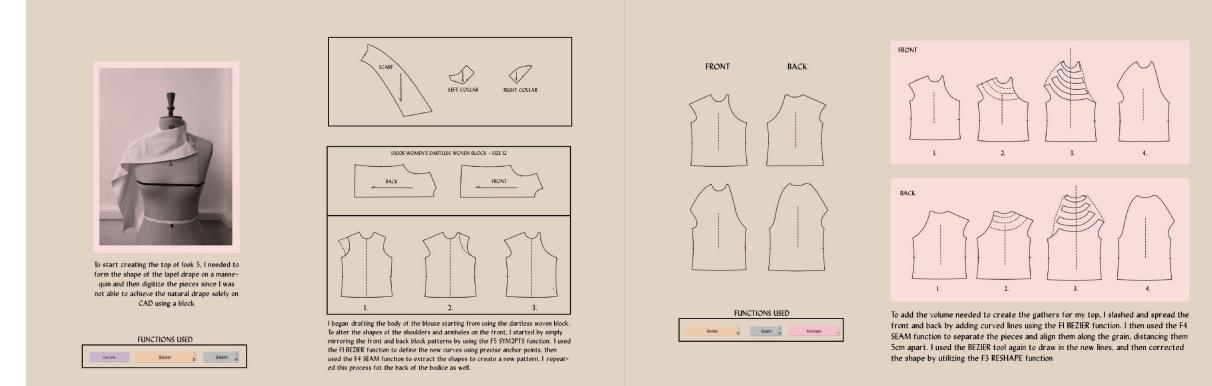
* DISCLAIMER : All the images have been created on Illustator

FPC Year 3

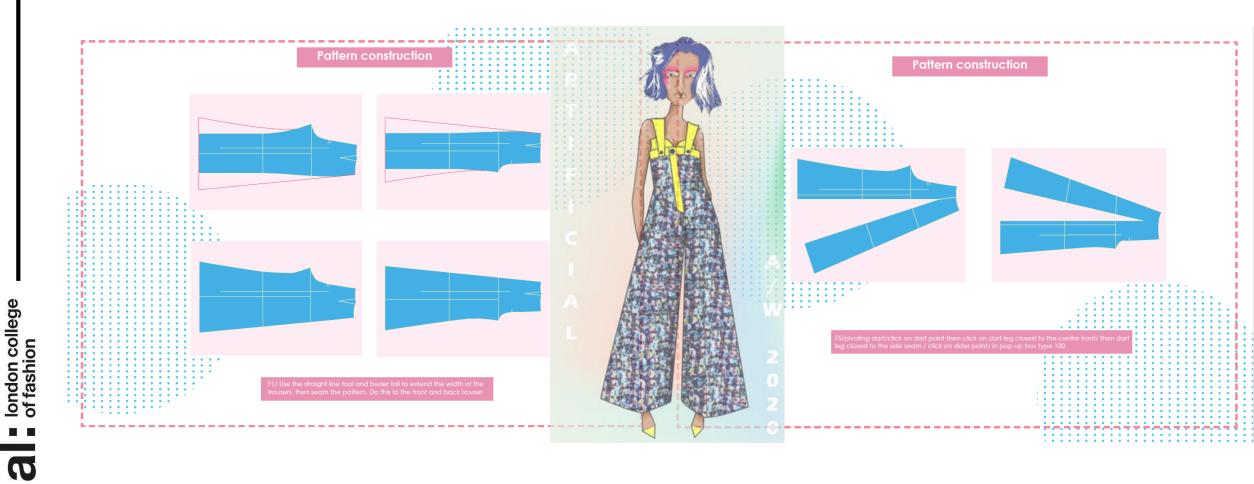


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FPC Final Year



FPC Final Year



THE FUTURE

- Embrace and capitalise on the discomfort of being beginners to enhance our practice.
- The new normal: teaching the software online in a virtual space
- We have gained invaluable, enduring knowledge, insights and new practice from the COVID online teaching experience.
- Keep asynchronous delivery to help mitigate problems with teaching the software online.
- Utilise tasks and resources developed for COVID in future digital pattern cutting delivery.



ANY QUESTIONS?

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