

welcome to the etextiles lab knitting machine workbook! in here you will find information about the lab including inductions, workshops, and assignments. additionally, towards the back you will find a glossary of knitting machine terminology and some labelled diagrams of parts of the machine.

monday	2pm - 5pm
tuesday-friday	9am - 5pm (1-2pm unsupervised for technicians lunch break)
weekends	closed

inductions and workshops

in the etextiles lab, there are two different inductions, and four different workshops for the knitting machine.

induction	workshops	advanced induction
knitting machine induction	designaknit intarsia short rowing tuck, slip, and colour changer	ribber induction

inductions and workshops are booked via ORB. if you have to cancel your booking for any reason, please follow the cancellation policy. If it is:

- * more than 24 hours before, cancel your ORB booking
- * less than 24 hours before, message rosie on slack

there are limited slots for these booking and quite a lot of students! please be considerate by cancelling your bookings as far in advance as possible if you cannot attend. **multiple missed booking without messaging beforehand could result in being banned from the etextiles lab!!**

assignments

each assignment is designed to follow a particular induction or workshop to help you practice what you have learnt and develop your knitting skills. they are completely optional with two exceptions:

- * **assignment A** must be completed in order to qualify on the knitting machine
- * you must have completed **at least two of the other assignments** (alongside attending at least one workshop) to attend the ribber induction

qualifying on the knitting machine

in order to qualify to use the knitting machine you must have:

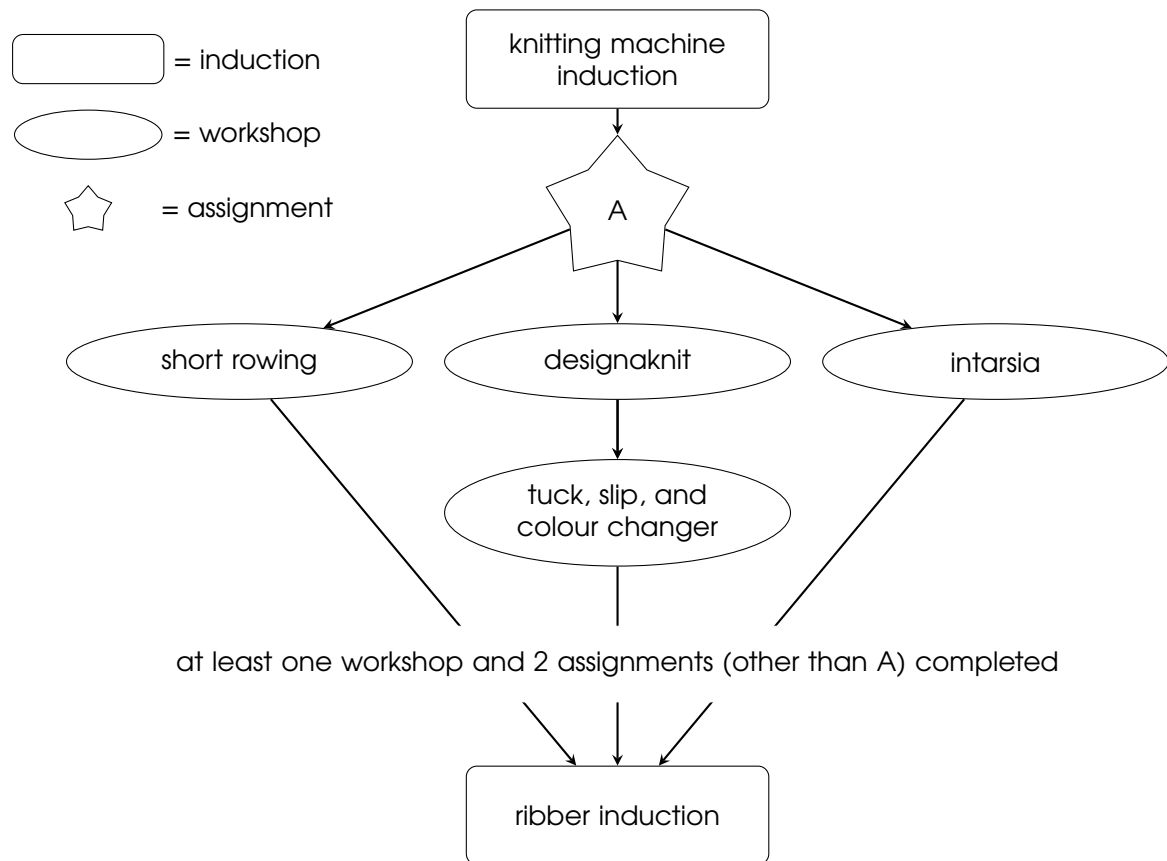
- * attended the **knitting machine induction**
- * completed **assignment A** and had it signed off by rosie or agnes

booking the knitting machine

you must book in order to use the knitting machine. there are two ways in which the machine can be booked, depending on whether have qualified or not:

- * if you if you **have not** qualified, you must **message either rosie or agnes on slack** in order to use the machine
- * if you **have** qualified on the knitting machine you may **book via ORB** using the qr code on the back of this workbook or the link in the etextiles slack channel bookmarks

inductions and workshops



knitting machine induction

duration: 3 hours

prerequisites: none

content:

- * casting on (ewrap and weaving)
- * fully fashioned increase/decrease
- * cast on/off increase/decrease
- * transfer tool cast off
- * changing colour
- * debugging (unpicking, rehooking dropped stitches)

intarsia workshop

intarsia is a colour work technique that eliminates floats and allows for more than 2 colours per row.

duration: 1 hour

prerequisites: knitting machine induction

content:

- * knitting with intarsia
- * creating intarsia patterns with designaknit

designaknit workshop

designaknit is a pattern drafting, garment design, and interactive machine control software for domestic knitting machines.

duration: 2 hours

prerequisites: knitting machine induction

content:

- * creating a shape file (original pattern drafting)
- * creating a stitch file from scratch (stitch designer)
- * creating a stitch file from an image (graphics studio)
- * using designaknit stitch files with the brother kh940

short rowing/partial knitting workshop

short rowing is a method that allows you to put needles 'on hold' and knit a row without adding a new stitch onto every needle (called a short or partial row). this allows you to create interesting shapes including 3d and curved swatches (such as the heel or toe of a sock).

duration: 2 hours

prerequisites: knitting machine induction

content:

- * increasing and decreasing in short rows
- * creating 3d shapes

tuck, slip, and colour changer workshop

tuck and slip stitches are knitting techniques that can add dimension and texture to a piece by 'tucking' or 'slipping' the stitches instead of knitting them. the automatic colour changer allows you to change the yarn in the carriage every even numbers of rows automatically.

duration: 2 hours

prerequisites: knitting machine induction, designaknit

content:

- * how to use tuck and slip stitches
- * how to set up and use the automatic colour changer

ribber induction

duration: 3 hours

prerequisites: knitting machine induction, at least 1 other workshop, and at least 2 assignments

content:

- * what is a ribber and why do we use it?
- * casting on
- * pitch and half-pitch
- * transferring stitches
- * 1x1 rib
- * 2x2 rib
- * racking