



Lesson 3.10: Curved Sew

THE TASK: Create a sample of sewn curved, even lines, which evidences, machine control and competent fabric handling against timed targets.

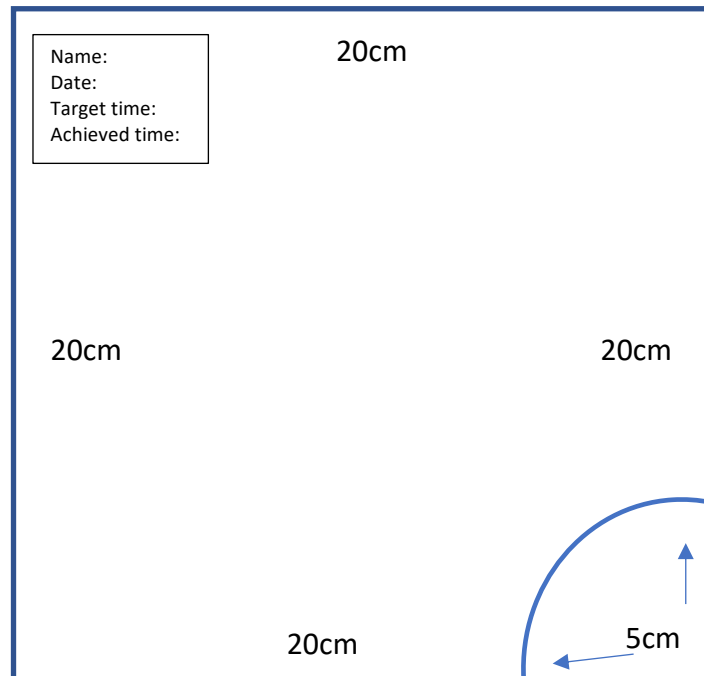
LEARNING OUTCOME: By completing this task you will:

- Gain fabric handling and manipulation skills
- Improve machine control
- Learn how to sew deep curves quickly and neatly
- Create even and aligned curved sewing
- Work to quality standards in targeted times
- Understand the importance of continuous spool fill and get used to doing this as you sew

PREPARATION: To prepare to complete this task you must:

- Cut square of fabric approx. 20cm x 20cm, use the kind of fabric and thread used in production if possible (do not use stretch fabric). See template below.
- Input your name, date, target time – 3 minutes and achievement time
- Using an upturned standard mug, or cup, draw a curved line in the bottom right corner approx. 5cm up and across from the corner of the fabric
- Thread machine with contrast thread, ensuring a full spool is inserted
- Ensure second thread is filling a spare spool/bobbin Set machine stitch to the correct length (2 or 3)

- Check tensions to ensure a well-balanced stitch
- Set auto cut off or have snips to hand
- Ensure the right type of needle is inserted and it is undamaged



QUALITY STANDARD: To meet the quality standard you must ensure

- The stitch is even and well balanced
- 10/12 per inch/ 2.5 cm (2 / 3 setting depending on the machine)
- All stitching lines must be straight and evenly spaced (foots width)
- All curves, evenly spaced (foots width), smooth and aligned to the previous stitch line.
- Three errors are acceptable across the whole exercise i.e., wonky stitch line, unaligned stitching, poor stitch tension etc

TARGET TIME:



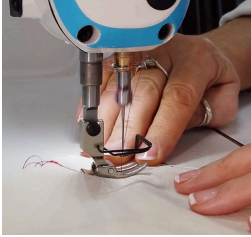
The whole exercise to be completed in **3 minutes**. It is important to meet quality standards within target times as taking longer than the target time will increase the production cost.

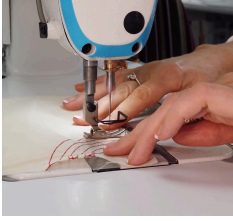
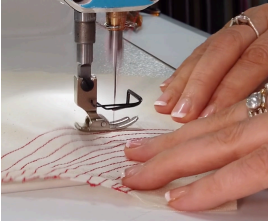

Note: Practise as much as needed until you achieve the target time and quality standard

WORK SAFELY: To complete this task you must follow the safety rules below:

- ensure a finger guard is fitted on the machine
- long hair is tied back
- flat, closed shoes are worn
- no scarfs or long obstructive jewellery is worn
- the chair is set at the right height and positioned correctly, and all tools are to hand
- turn the machine off when not sewing

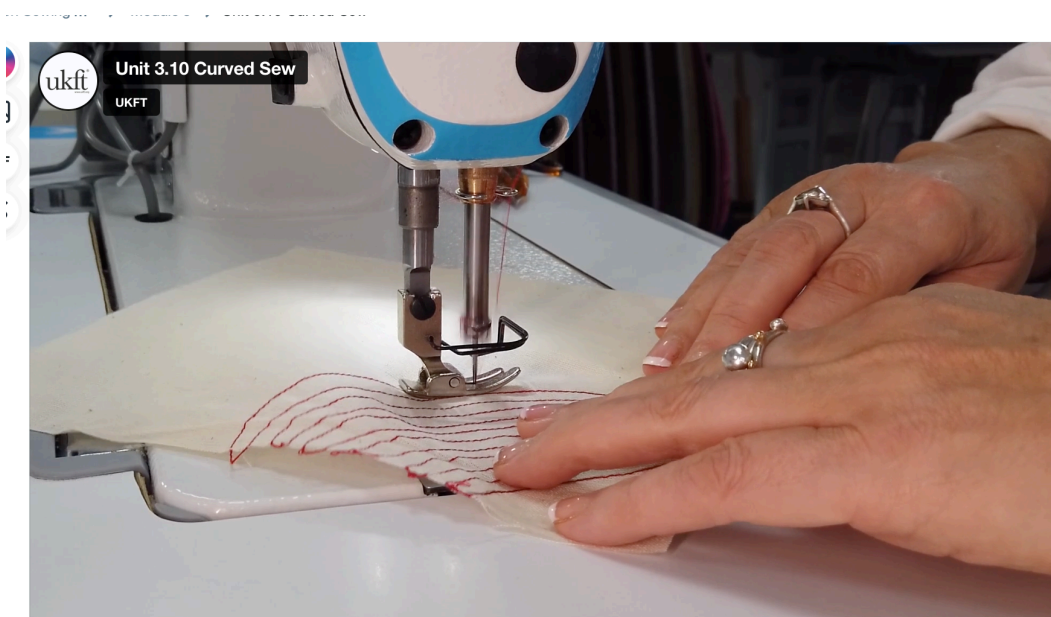
NOTE: For the purpose of clear demonstration the needle guard has been removed on some of the images below:

		
<p>1. Take the fabric square, 5cm up and across. Place a standard size cup/mug on the marks and draw a curved line.</p> <p>Input your name, date, target time and after completing the exercise the achieved time details</p>	<p>2. Turn the cloth so the start of the curve is position at the needlepoint.</p>	<p>3. Stitch along the curve slowly, guiding the fabric lightly, do not pull or push the fabric, let the feed dogs pull it through with your guidance.</p>

		
4. Sew the next curve, a foot width, so aligning the presser foot to the previous row of stitching to meet quality standards	5. Turn the cloth at the end of each curve and follow the previous row of stitching repeating until the square is full	6. On completion, assess your work against the quality standards and target times, aiming for a maximum of three errors in three minutes

Watch the curved sew process video below

REMEMBER! Keep alert to your spool thread! Fill the spare spool as you sew, and re thread the machine quickly when the spool runs out.



Unit 3.10 Curved Sew

<https://vimeo.com/580220090/7c4cafb771>

Do not proceed onto the next task until you have completed this exercise by meeting the quality standard within the targeted time and completed the Skills Challenge below:

Skills Challenge 3.12

1. Identify the correct fabric handling when sewing curves

- Guide the fabric lightly and let the feed dogs pull the fabric through with your guidance.
- Hold the fabric taught and pull to slow down the sewing process
- Grasp the fabric tightly to control the speed and stitching mechanisms.

2. Why is it more difficult to sew curves than straight sewing?

- Because sewing a curve requires extra stitching and more care
- Because sewing a curve requires more handling and fabric manipulation skills
- Because sewing a curve requires back tack and stronger seams

3. When a curve is sewn it must be aligned properly this could be with the edge of the fabric or to a previous row of stitching. Why is this alignment important?

- To ensure the correct final shape or finish of the product being made
- To ensure the seam is secure and strong
- To ensure of the correct stitching process