Unit Title	Yarn Production Technology
Unit Code	MATS20342
Member of staff responsible	Dr R H Gong
Other staff involved	Mr P. Moroz
Credit rating	10
Semester	2
Level	Year 2
Methods of delivery	Lectures
Lecture hours	24
Seminar hours	
Private study	76
Total study hours	100
Aims	To provide detailed understanding of the operation of the ring spinning process and alternative yarn production techniques. To provide knowledge and understanding of yarn quality measures and control methods. To provide knowledge and understanding of yarn package formation.
Learning outcomes	Ability to demonstrate the advantages and disadvantages of different yarn production techniques. Understanding of the requirements yarn quality and package formation. Ability to calculate the important process and yarn parameters.
Syllabus	• Combing • Ring spinning • Open-end spinning • Air jet and wrap spinning • Yarn quality measures and control techniques • Winding
Assessment methods and relative weightings	Written examination: 100%
Date of last revision of Unit specification	September 2009