Learning objectives
By the end of this chapter, the students should be able to:
1. Define and use simple and compound statements and apply them to arguments.
2. Recognise and use the symbols for negation, conjunction, disjunction, implication and equivalence.
3. Use Venn diagrams and truth tables to demonstrate connections between statements and arguments.
4. Determine whether an argument is valid or fallacious, using the chain rule where appropriate.

Teaching and learning materials
Students: Textbook and writing materials.
Teacher: Textbook, chalkboard and chalk.

Areas of difficulty
• This whole chapter has the potential to be difficult for the students. They may tend to do the work by rote by just following the examples.
• Let them work in groups and encourage them to argue about the problems.