

Learning Unit 2: Metric spaces

Study material for Unit 2: MAT3711 Study Guide Learning Unit 2.

What to study: You need to be able to give the definition of a metric space accurately. You need to be able to demonstrate accurately the concepts of open sets, closed sets, interior, boundary, and bounded subsets. You need to be able to solve problems on finding closure and interior. You should be able to verify openness and /or closedness of subspaces. You should be able to prove the *Bolzano-Weierstrass Theorem*.