



**REDUCTION OF FERRIC AND FERROUS COMPOUNDS IN THE PRESENCE OF  
GRAPHITE USING MECHANICAL ALLOYING**

**BY**

**LEDWABA HARRY MOLOTO**

**Student Number: 9996397**

---

**Dissertation submitted in fulfilment of the requirement for the degree of  
MASTER OF TECHNOLOGY IN CHEMISTRY**

**FACULTY OF APPLIED SCIENCE  
VAAL UNIVERSITY OF TECHNOLOGY**

**Supervisor : Prof. E.D Dikio**

**Co-supervisor : Dr. S.S. Manzini**

**MAY 2011**