**Abstract**

The aim of this thesis is to build the foundations of generalized ordinary differential equation theory in metric spaces. While differential equations in metric spaces have been studied before, the chosen approach cannot be extended to include more general types of integral equations. We introduce a definition which combines the added generality of metric spaces with the strength of Kurzweil's generalized ordinary differential equations. Additionally, we present existence and uniqueness theorems which offer new results even in the context of Euclidean spaces.