#### Department of Chemical, Metallurgical and Materials Engineering Faculty of Engineering and the Built Environment Tshwane University of Technology, Pretoria

# CHEMICAL REACTION ENGINEERING I CRE3017B LABORATORY LAB MANUAL

#### List of Experiments:

- To determine the order of reaction (n) and the reaction rate constant (k) for the given saponification reaction of ethyl acetate in aqueous sodium hydroxide solution in a Batch Reactor
- To determine the reaction rate constant for saponification of ethyl-acetate with NaOH at ambient conditions in a CSTR
- To study the performance of a cascade of three equal volume CSTRs in series for the saponification of ethyl acetate with NaOH.
- 4 To determine the conversion in PFTR, for Saponification of ethyl acetate with NaOH at ambient conditions.

# **Chemical Reaction Engineering Lab Manual**

**D** Keegan

**Chemical Reaction Engineering Lab Manual:** 

# Chemical Reaction Engineering Lab Manual Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has be much more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Chemical Reaction Engineering Lab Manual**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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