THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	CHEMICAL AND BIOLOGICAL SYSTEMS ENGINEERING
Department:	CHEMICAL AND PROCESS ENGINEERING
Current Designation:	Assistant Lecturer, CHEMICAL AND PROCESS ENGINEERING (DCPE)
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	CHEMICAL AND PETROLEUM	UNIVERSITY OF BRADFORD(Kenya)	2015
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	SANGARAU PRIMARY SCHOOL(Kenya)	1998

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
OCT, 2016 - To Date	The Technical University of Kenya	Assistant Lecturer
2011 - 2014	KENYA PETROLEUM REFINERIES LIMITED	GRADUATE ENGINEER TRAINEE
2008 - 2008	CHEMELIL SUGAR COMPANY LIMITED	INTERN
2007 - 2007	RIFT VALLEY BOTTLERS LIMITED	INTERN

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Chemical Process Simulation	The purpose of this course is to provide the background needed by chemical engineers to carry out computer-aided analyses of large-scale chemical processes. Major focus will fall on steady-state processes with hands on experiences on Aspen plus software.	October 2016 - TO-DATE
Process Control Systems Engineering I	This course gives an introduction to control systems, systems modeling as well as analysis of their performance and stability. The ultimate goal is to produce chemical engineers who are capable of functioning in the design and operation of modern automated industries.	October 2016 - TO-DATE
Process Control Systems Engineering II	The objective of this course is to advance the knowledge gained in Process control systems engineering I. It introduces the instruments used to effect control of a system. In addition, the learner is introduced to controller tuning, control system compensation and operation.	October 2016 - TO-DATE
Heat Transfer	Design and theoretical analysis of energy transfer systems to ensure efficient utilization of energy within processes and production units	2016 - TO- DATE
Chemical Process Optimization	Developing efficient processes for production and continuous improvement of existing systems. Hands-on case studies using Simulation and optimization software.	2018 - TO- DATE
Industrial Chemical Processes	Typical chemical processes that chemical engineers deal with in Industry. Their operation, continuous improvement opportunities, energy efficiency improvement etc.	2016 - TO- DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Graduate Engineer	Engineers Board of Kenya (EBK)
Graduate Engineer	Institution of Engineers of Kenya (IEK)