KENYATTA UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY
UNIT CODE: SIT207
UNIT TITLE: SOFTWARE ENGINEERING
 SEMESTER AND ACADEMIC YEAR   TWO 2019/2020
COURSE INSTRUCTOR: WINNIE S.W. WACHIRA

COURSE OUTLINE

UNIT CODE: CIC208	UNIT TITLE SOFTWARE ENGINEERING
Purpose	To equip students with a basic knowledge of the software engineering process and a range of skills needed to undertake basic software engineering activities.
Expected Learning Outcomes	**Upon completion of this course, students should be able to:**
	1.Evaluate the overall structure of the software engineering process, from feasibility studies and requirements elicitation to maintenance and midlife update processes; 2.Criticize the theories underpinning the software engineering process; 3.Summarize the methodologies available to guide the software engineering process; 4.Apply case tools to software development life cycle
Course Content	CONTENT AS PER SENATE APPROVED CURRICULUM
WEEK ONE	An overview of software engineering
WEEK TWO	SE Models
WEEK THREE	CAT (Group/Individual Project) + SE Models (cont)

WEEK FOUR	Software Processes
WEEK FIVE	Requirements Engineering
WEEK SIX	CAT ONE (Sit-in CAT - Comprehensive) + Requirements Engineering (cont)
WEEK SEVEN	System Modelling
WEEK EIGHT	System Modelling
WEEK NINE	Design and Implementation
WEEK TEN	Design and Implementation
WEEK ELEVEN	Planning a software project
WEEK TWELVE	CAT TWO + Planning a software project (cont)
WEEK THIRTEEN	Software Testing
WEEK FOURTEEN	REVISION
WEEK FIFTEEN	REVISION
WEEK SIXTEEN	EXAMINATIONS