Date:	Examination No.:	Version: 1/9/2022	Start: 1/9/2022
Module Name - Code	Engineering Hydrology 2 – WRE 6147		
Module Language:	English		
Responsible:	Lecturer: Dr. Abdulwahd Ali Kassem		
Lecture (s):	Lecturer: Dr. Abdulwahd Ali Kassem		
College:	College of Engineering – Salahaddin University		
Duration:	15 week – 1 semester		
Course outcomes:	Student is introduced to Engineering Hydrology including flood analysis , estimation of peak flow methods using different methods such as Rational method, Flood frequency analysis by using many method such as Gumbel distribution, log pearson type III distribution etc. , Natural Resource Conservation Service , flood , flood routing , routing of river flow, and urban hydrology. By the end of this course you should be able to Analysis flood, rout the flood, and find of the peak discharge for design.		
Course Content:	Introduction and flood analysis , estimation of peak flow methods using different methods such as empirical method, Rational method, Flood frequency analysis by using many method such as Gumbel distribution, log Pearson type III distribution etc. , Natural Resource Conservation Service , flood , flood routing , routing of river flow, and urban hydrology.		
Literature:	1- " Engineering Hydrology ", by K Subramanya. 2- "Apply Hydrology", by Ven T. Chow. 3- " Hydrologic analysis and design ", by Richard H. McCuen.		
Type of Teaching:	3 hrs in lectures		
Pre-requisites:	No		
Frequency:	Yearly in fall semester		
Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. The module exam contains: Final Semester Exams Daily Requirements (Assessments, Quizzes, Daily Activities and etc..) Student's attendance is required in all classes.		
Credit point:	5 credits		
Grade Distribution:	The Grade is generated from the examination result(s) with the following 20% activity 20% mid-term exam 60% final theoretical Exam		
Work load:	The workload is 90 hr. It is the result of 45 hr attendance and 45 hr self-studies.		