Date:	Examination No.:	Version: 1/9/2023	Start: 1/9/2023
Module Name - Code	Engineering Hydrology II – 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 weeks – 1 semester		
Course outcomes:	The student is introduced to Engineering Hydrology including flood analysis, estimation of peak flow methods using different methods such as the Rational method, Flood frequency analysis by using many methods 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 Analyze the flood, route the flood, and find 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 methods 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 hours in lectures		
Pre-requisites:	No		
Frequency:	Yearly in the 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, 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 4 Exams (10% each one) 60% final theoretical Exam		
Workload:	The workload is 90 hr. It is the result of 45 hours of attendance and 45 hr self-studies.		