1	MATH 231 - ADVANCED	CALCULUS I
Semester: Instructor:	Fall 2024 Ferit Öztürk; office: tb260-b, phone: 6532; ferit.ozturk@boun office hour to be announced (tba).	
Assistants:	tba; office: tb121, phone: 6954; tba; office: tb121, phone: 6954; PS schedule tba. office hours: tba.	
Exams & Grading:	<ul> <li>(30 %) Midterm exam 1</li> <li>(30 %) Midterm exam 2</li> <li>(30 %) Final exam</li> <li>(10 %) Homeworks (or quizzes)</li> </ul>	tba tba tba depending on the numbers
	No make-up for midterms unless Make-up for final exam covers all topics. A student may take ONLY ONE make-up.	
Course Schedule: Textbook:	Tue @M2230, Thr @M1170; Sec 1: 11:00-12:30, Sec 2: 13:00-14:30 Advanced Calculus, G. B. Folland; Third edition	
Topics:	Sequences and functions, Limit, liminf, limsup, Continuity, Completeness, compactness, connectedness, Bolzano-Weierstrass, Heine-Borel Theorems, Extreme Value Theorem, (first 5 weeks up to now) Differentiation, derivatives for functions of several variables, Differentiation of composite functions, Mean value theorem, Taylor's Theorem, Implicit function theorem and its applications, Surfaces and curves in space.	

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