16B Prof. ANANT SAHAI	Announcements: Find Exam Sam Fri Dec 17th TED
Today Complex Inner Products	0) HW B Due Friday
Loose Ends: Why logistic loss (HW13)	1) HW 14 on different schedule to help with finds prop
Begin Review	Due Wed Dec 8th Self-grade & Resident Due Sat Dec 11th
0	
	2) Extra Credit Opportunities
Final Fram Scope: Cumulative & Interative	a) MYOP Contest
Mainsity of aintrasil)	W 14 B Cutat Illumination Manager [] 1/2/
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Ger Kest & Jiecp. but could be combined with	9 Code cleaning & sigic productness improvements
Tre-milltern idens.	
	NAR week discussions: Review Driented
Master of HW, Discussion, Learns, Notes & Lab	Dased on past exams toci to be announced on Plate
No need to grind past exams to study.	
La likely have different supe.	4) Concepture Questions: Use Week 15 announcement that
	We'll have a vote this userk to prioritize if ht
	& then we'll get them arrivered for everyone
Same Policies as Midtern: No Questions.	
Why do we need a complex inner a	adact ¹
A: Orthough & Row have and	$\mathbf{F}_{\mathbf{I}}$ () we used that $\mathbf{I}_{\mathbf{A}}$ (
M. Or maganetis de projections une sup	er useline (i.e. the work view to ger
	Apper- Filang Juriz Aron '
For real vectors a, b use had	$\langle \overline{a}, b \rangle = b \overline{a} = \overline{a} \cdot b = 2 a; b;$
ted nice	prputs ta = <ta, a=""></ta,>
	af 10
	5 $1a$ 1^{2} 5 a^{2}
	Requires out the cost of the soul
	nexe a, we would have a, a, a, a,
Do, The real inner product definit	The ordersh & work for complex vectors/
Example: a=1. 11al	1 - C aa - C
	We need another dufinition
To get $\langle \hat{a}, \hat{a} \rangle = \ \hat{a}\ ^{2}$	we could define it in two possible
1 2 - 2	a.L.
/ + 7 = b = - =	
	Vot Symmetric, but on well.
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