

SYLLABUS

WEEK OF	MON LECTURE†	PRECEPT DISCUSSION PROBLEMS‡						WED LECTURE†
06 FEB	Introduction	Organizational: No Problems for this Week						Sets & Relations & Operations
13 FEB	Sets & Relations & Operations <i>continued</i>	11-3	11-4	12-1	14-2	16-3	20-6	Cardinal Numbers & Finite Sets First half of 1st Problem set Due
20 FEB	Cardinal Numbers & Finite Sets <i>continued</i>	22-2	23-4	23-5	24-1	28-5	28-8	The Number Systems Second half of 1st Problem set Due
27 FEB	More on Cardinal Numbers	32-4	35-6	35-8	38-5	38-6	41-3	Orders & Order Types
06 MAR	Well-Orders, Cardinals, Ordinals 2nd Problem Set Due	53-2	53-4	58-2	58-3	58-5	58-6	Well-Orders, Cardinals, Ordinals <i>cont'd.</i>
13 MAR	Well-Orders, Cardinals, Ordinals <i>cont'd.</i>	60-1	60-2	62-2	63-5	63-7	63-8	Well-Orders, Cardinals, Ordinals <i>cont'd.</i> 3rd Problem Set Due
SPRING BREAK								
27 MAR	Axiomatic Set Theory	67-1	68-1	68-2	68-3	68-4	68-5	More on Cardinals & Ordinals
03 APR	More on Cardinals & Ordinals <i>continued</i>	75-3	75-5	81-3	85-2	85-3	90-1	The Axiom of Regularity [Foundation] 4th Problem Set Due
10 APR	Metamathematics of Set Theory	123-3	127-1	127-2	127-3ab	127-3cd	127-4	Metamathematics of Set Theory <i>continued</i>
17 APR	Consistency of the Axiom of Choice	94-1a	94-1b	94-1c	94-2ab	96-2	96-3	Consistency of the Axiom of Choice <i>cont'd.</i> 5th Problem Set Due
24 APR	Independence of the Axiom of Choice	Review: No Problems for this Week						Glimpses Beyond
01 MAY	Glimpses Beyond <i>continued</i>	A	B	C	D	E	F	Glimpses Beyond <i>continued</i> 6th Problem Set Due
16 MAY	DEAN'S DATE: 7th Problem Set Due							

NOTES

† IN LECTURE LISTINGS: The lectures listed are based on the similarly-named chapters in Vaught *Set Theory: An Introduction* or the handout “Models of Set Theory”
 ‡ IN PRECEPT LISTINGS: For example: 11-3 means page 11, problem #3 in Vaught A-F means problems A-F in “Models of Set Theory”