PHILOSOPHY 211:
ELEMENTARY LOGIC

PETER B. M. VRANAS
MWF 12:05-12:55, SPRING 2024

Name: _____

ANSWER SHEET FOR PROBLEM SET #1

(Due Friday 2 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

Statement	a	b	c	d
T/F				

PROBLEM 3

p	q	r	$\{[(p \vee \sim q) \leftrightarrow r] \rightarrow [r \rightarrow \sim (p \ \& \ r)]\} \vee [(p \ \& \ \sim r) \vee \sim q]$
T	T	T	
T	T	F	
T	F	T	
T	F	F	
F	T	T	
F	T	F	
F	F	T	
F	F	F	

PROBLEM 4

	Rule

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ANSWER SHEET FOR PROBLEM SET #2

(Due Wednesday 7 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

#	Symbolic notation (Premise 1 / Premise 2 / … / Premise n // Conclusion)
1	
2	
3	
4	
5	
6	

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ANSWER SHEET FOR PROBLEM SET #3

(Due Monday 12 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2—TRANSLATIONS AND TRUTH TABLES

#	Translation and brief truth table	Valid? (Y/N)	If invalid, give truth value assignment (T/F) that proves invalidity
1			L: G: M: D: E: P: O: A: W: R: U:
2			M: E: G:
3			O: S: A: F: I: T:
4			T: S: C: M: G:

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ANSWER SHEET FOR PROBLEM SET #4

(Due Friday 16 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

Argument	Line	Justification	Argument	Line	Justification
1	4		4	4	
	5			5	
	6			6	
	7			7	
	8			8	
	9			9	
	10		5	5	
	11			6	
2	5			7	
	6			8	
	7			9	
	8			10	
	9			11	
	10		6	4	
	11			5	
	12			6	
3	4			7	
	5			8	
	6			9	
	7			10	
	8			11	
				12	
				13	

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ANSWER SHEET FOR PROBLEM SET #5

(Due Wednesday 21 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

1.	

2.	

3.	

PHILOSOPHY 211:
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Name: _____

ANSWER SHEET FOR PROBLEM SET #6

(Due Wednesday 28 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

1.	

2.	

3.	

PHILOSOPHY 211:
ELEMENTARY LOGIC

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MWF 12:05-12:55, SPRING 2024

Name: _____

ANSWER SHEET FOR PROBLEM SET #7

(Due Monday 11 March at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.

PROBLEM 2

#	Translation
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

PHILOSOPHY 211:
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ANSWER SHEET FOR PROBLEM SET #8

(Due Wednesday 20 March at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.

PROBLEM 2

1.	

2.	

3.	

PHILOSOPHY 211:
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Name: ____________________________

ANSWER SHEET FOR PROBLEM SET #9

(Due Monday 1 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.

PROBLEM 2 (Use lined boxes for natural deduction and blank box for the finite universe method)

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ANSWER SHEET FOR PROBLEM SET #10

(Due Monday 15 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.

PROBLEM 2

#	Translation
1	
2	
3	
4	
5	

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Name: _____

ANSWER SHEET FOR PROBLEM SET #11

(Due Friday 19 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.
2.
3.

PROBLEM 2

1.	

2.	

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Name: _____

ANSWER SHEET FOR PROBLEM SET #12

(Due Friday 26 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.

PROBLEM 2

#	Translation
1	
2	
3	
4	
5	

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Name: _____

ANSWER SHEET FOR PROBLEM SET #13

(Due Wednesday 1 May at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.

PROBLEM 2

1.

2.