

THE UNIVERSITY OF BRITISH COLUMBIA

Department of Chemical and Biological Engineering

CHBE 554 – Transport Phenomena

Lecture Scheduler – Winter/Spring 2016

Lecture	Date	Topic
0	JAN 5	Introduction to Transport Phenomena, Math Review
1	7	Viscosity-Molecular Mechanisms
2	12	Thermal conductivity-Molecular Mechanisms
3	14	Diffusivity-Molecular Mechanisms
4	19	Shell Momentum Balances
5	21	Shell Energy Balances
6	26	Shell Mass Balances
	28	-
7	FEB 2	Equations Of Motion
8	4	Equations Of Energy Transport
9	9	Equations Of Mass Transport
	11	-
	16	MID-TERM BREAK

	18	MID-TERM BREAK
	23	Lecture cancelled (mid-term week)
	25	MID-TERM EXAM
10	MARCH 1	Time Dependent Isothermal Flow
11	3	Time Dependent Non-isothermal Flow
12	8	Time Dependent Flow With More Than One Component (Diffusion)
13	10	Turbulence
	15	-
14	17	Interphase Transport
15	22	Interphase Transport-Heat Transfer
16	24	Interphase Transport-Mass Transfer
17	29	Macroscopic Momentum Transfer
18	31	Macroscopic Energy Transfer
	APRIL 5	Reports review
	7	Reports review