

Department of Chemical and Biological Engineering
 University of Wisconsin-Madison
Transport Phenomena Laboratory
 Calendar - Spring 2008

	Week of	Topic/Experiment	Experiment	Assignment
1	January	21 Introduction/Data Analysis/Statistics		Reading
2		28 Safety Certification/Data analysis		Memo
3	February	4 Velocity Profiles for Turbulent Flow	B.1	Memo
4		11 Thermal Conductivity of Solids	A.2	Report
5		18 Rewrite week/Report Writing/Lab practice		Rewrite
6		25 Rewrite week/Report Writing/Lab practice		Rewrite
7	March	3 Temperature Profiles in Solids	B.2	Memo
8		10 Concentration Profiles in a Stagnant Film	B.3	Report
9		17 <i>Spring Recess</i>		
10		24 Friction Factors for Flow in Circular Tubes	C.1	Memo
11		31 Efflux Time for a Tank with Exit Pipe	D.2	Report
12	April	7 Heat-transfer Coefficients in Circular Tubes	C.2	Group Memo
13		14 Heating Liquids in Tank Storage	D.3	Group Report
14		21 Oral Presentations		
15		28 Oral Presentations (if necessary)		

Textbooks: Crosby, E. J., *Experiments in Transport Phenomena*, Department of Chemical Engineering, University of Wisconsin, Madison, Wisconsin. Revised by T.W. Chapman and CBE 324 staff, available at Bob's Copy Shop.

Bird, R.B., W.S Stewart, E.W. Lightfoot, *Transport Phenomena*, 2nd. Edition, John Wiley, N.Y. (2002)

Pfeiffer, W.S., *Pocket guide to technical writing*, 4th Edition, Pearson Prentice Hall, Upper Saddle River, N.J. (2007)

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