Course Syllabus

Course: *CM5100 Applied Mathematics for Chemical Engineers*

Instructor: Dr. Tomas Co.   Chem-Sci 202G, Tel: 487-2144, Email: tbco@mtu.edu

References:

1. V.G. Jenson and G. V. Jeffreys, Mathematical Methods in Chemical Engineering, Academic Press, 1977
2. G. Strang, Introduction to Applied Mathematics, Wellesley-Cambridge Press, 1986
3. N. Amundson and R. Aris, Mathematical Methods in Chemical Engineering, Prentice Hall, 1966
4. J. Friedly, Dynamic Behavior of Processes, Prentice Hall, 1972
5. H. Mickley, T. Sherwood and C. Reed, Applied Mathematics in Chemical Engineering, McGraw Hill, 1957
6. D. Zwillinger, Handbook of Differential Equations, Academic Press, 1998
7. C.R. Wylie and L.C. Barnett, Advanced Engineering Mathematics, McGraw Hill, 1995
8. R.L. Burden and J.D. Faires, Numerical Analysis, Prindle, Weber & Smith, 1985

Requirements:

1. Assignments: 60 pts
2. Exams: 40 pts

Grades:

100	- 90	A
89.99	- 80	AB
79.99	- 70	B
69.99	- 65	BC
64.99	- 60	C
59.99	- 55	CD
54.99	- 50	D
49.99	- 0	F

Course Outline