

9/08

BMEN602 Biosystems pretest					
e indicate familiarity with each item.					
1 - useful tool					
2 - given time I can work example					
3 - know of its use					
4 - recognize term					
5 - never heard of it					
	1	2	3	4	5
Fourier Transform	I	IIII	II	IIII	IIII
Laplace Transform	I	IIII III	IIII	II	I
systems modelling	II	IIII	IIII II	IIII	
linear differential equation	IIII II	IIII II	II	I	
linear differential equation system	IIII	IIII III	IIII	I	
nonlinear differential equation	I	IIII II	IIII II	II	
partial differential equation	IIII	IIII IIII	II	I	
steady state sinusoidal analysis	II	IIII	II	IIII II	II
Nichols plot			II	IIII	IIII III
Bode plot	IIII	IIII	IIII	IIII	II
feedback control	IIII	IIII II	IIII	II	
open loop control	II	IIII	IIII	II	II
Nyquist plot		II			IIII IIII
pole-zero plot			I	IIII	IIII III
block diagram	IIII III	IIII	IIII	II	I
pencil	IIII IIII			I	
stability criteria	IIII	II	II	IIII	IIII
phase plane	II	IIII I	II	IIII	IIII
indicator dilution	I	IIII	I	IIII	IIII IIII
dimensional analysis	IIII III	II	II	IIII	II
convolution	II	I	IIII	IIII	IIII
frequency response	II	IIII	IIII	IIII	II
sensitivity analysis	IIII		IIII	IIII	IIII
small signal approximation		II	I	IIII I	IIII III
linearization approximation	IIII	IIII I	I	IIII	II
Maple			IIII	IIII I	IIII II
Mathematica	I	IIII I	IIII II	II	I
Matlab	IIII	IIII I	IIII		
Labview	I	IIII	IIII I	IIII	IIII