

Biophysics 240: Fourier Transforms

Fall Semester 2005

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Text: DB. Rowe, The Fourier Transform: A Technical Understanding with Applications to MRI. (Book manuscript)

August	16 Administrative/Math Review
	18 Math Review
	23 Familiarize Matlab
	25 Fourier Series
	30 Fourier Series/Continuous Fourier Transform
September	01 Continuous Fourier Transform
	06 Specific FT Pairs
	08 Specific FT Pairs/Continuous FT Properties
	13 Continuous FT Properties
	15 Review
	20 Exam I
	22 Return Exam I/Continuous FT Properties
	27 Continuous FT Properties
	29 Continuous FT Properties
October	04 Continuous FT Properties
	06 Discrete Fourier Transform
	11 Discrete Fourier Transform
	13 Discrete Fourier Transform
	18 Discrete Fourier Transform
	20 Discrete FT Properties
	25 Discrete FT Properties
	27 Discrete FT Properties
November	01 Review
	03 Exam II
	08 Return Exam II/Signal/Image Processing
	10 Signal/Image Processing
	15 Signal/Image Processing
	17 Signal/Image Processing/FT & MRI
	22 FT & MRI
	24 Thanksgiving
	29 FT & MRI
December	01 FT & Noise Statistics
	06 Review
	08 Final Exam

Grading System: Exams each 30% Final 40%.