

This is the reading assignment to be completed in the first few class periods.

Book	Chapter	Description				# pages	
Freshney	Chapter 1	History, Quick	pages	1	to	9	9
Freshney	Chapter 3	Biology of cells, make sure you know it - quick	pages	31	to	42	12
Freshney	Chapter 7	Safety and ethics, <b>esp. 7.8 and 7.9</b>	pages	87	to	103	17
Freshney	Chapter 8	<b>SKIM:</b> Culture vessels and substrates - good to know	pages	105	to	113	9
Freshney	Chapter 9	Media - know general contents and ideas	pages	115	to	128	14
Freshney	Chapter 12	<b>DISCLAIMER - some pictures are gross.</b> But it's useful info.	pages	175	to	197	23
Freshney	Chapter 13	Subculture and cell lines - formalizing what you might already kind of know	pages	199	to	216	18
Freshney	Chapter 16	Characterization - again, might be familiar, know the general types of approaches	pages	247	to	280	34
Freshney	<b>Chapter 17</b>	Differentiation - this is pretty key to what we are interested in, read carefully	pages	281	to	289	9
Freshney	Chapter 19	Contamination - this is also really important - to avoid it.	pages	307	to	319	13
Freshney	Chapter 21	Quantitation - <b>know hemocytometer</b> , rest: SKIM and know general	pages	335	to	358	24
Freshney	Chapter 23.3	Cell types - <b>mesenchymal, endothelial, smooth muscle</b>	pages	394	to	407	14
Freshney	Chapter 25	Organotypic culture - some precursors to tissue engineering	pages	435	to	450	16
P&B	Chapter 1	Intro, quick	pages	2	to	17	16
P&B	Chapter 2	<b>KNOW: overview of cell types, should be quick</b>	pages	20	to	33	14
P&B	Chapter 3	dynamics of tissues and wound healing, quick	pages	34	to	45	12
P&B	Chapter 4	morphogenesis	pages	46	to	60	15
P&B	Chapter 6	<b>SKIM:</b> cellular fate processes (enjoy but don't labor over their math)	pages	74	to	104	31
P&B	Chapter 7	coordination of cell fate - signals (be familiar with the material)	pages	105	to	130	26
P&B	<b>Chapter 9</b>	Cell and tissue properties - more on characterization (skim)	pages	154	to	171	18
P&B	Chapter 15	Biomaterial Scaffolds	pages	252	to	269	18

total:

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NOTES: for Freshney, don't need to worry about knowing exact protocols.  
Also, it's not as long as it looks, there are lots of figures and tables.